

Granite[®] Standard

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Good corrosion resistance • Good formability
Applications	Basic coating for outdoor applications (cladding, roofing and accessories, air conditioners)	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Colour palette Other colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	≤ 2 T
	Resistance to cracking on bending (T-bend)	≤ 3 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 5; GR ≥ 30% RUV2
	Fire behaviour classification: <ul style="list-style-type: none"> • France CSTB • NF EN 13501-1 	M0 A1
	Resistance to acids and bases	Good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 5; Gloss retention ≥ 30%) 	
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite[®] HD

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Good UV resistance • Good corrosion resistance • Good formability
Applications	External uses: construction (cladding, roofing and accessories, insulated panels)	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Colour palette Other colours on request
	Appearance	Smooth, grained
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 3; GR ≥ 60% RUV3
	Fire behaviour classification: <ul style="list-style-type: none"> • France CSTB • NF EN 13501-1 	M0 A1
	Resistance to acids and bases	Good to very good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 50%) 	
		≤ 10 years, depending on the external environment ≤ 10 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite[®] HDS

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Very good UV resistance • Very good corrosion resistance • Very good formability
Applications	External uses: construction (cladding, roofing and accessories)	
Description	Thickness	35 microns
	Composition	Front: 15 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Colour palette Other colours on request
	Appearance	Smooth, grained
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 2.2 kg
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	500 hours RC4
	Condensation resistance (QCT)	1500 hours
	UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 2; GR ≥ 80% RUV4
	Fire behaviour classification: <ul style="list-style-type: none"> • France CSTB • NF EN 13501-1 	M0 A1
	Resistance to acids and bases	Good to very good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%) 	
		≤ 15 years, depending on the external environment ≤ 15 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite[®] HDX

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very good UV resistance• Excellent corrosion resistance• Very good formability• Robust coating	
Applications	External uses in severe environments: profiles, sandwich panels for roofing and cladding, building materials (tiles, guttering etc)			
Description	Thickness	55 microns		
	Composition	Front: 25 microns primer + 30 microns top coat Back: 10 or 12 microns backing coat Double-side finish available		
	Gloss (Gardner 60°)	30 GU Other gloss levels on request		
	Colours	Colour palette Other colours on request		
	Appearance	Grained		
	Temporary protection (optional)	Not applicable		
	Performance	Adhesion of the coating (T-bend)	≤ 1 T	
Resistance to cracking on bending (T-bend)		≤ 1.5 T		
Impact resistance		18 J		
Surface “pencil” hardness		F to H		
Clemen scratch resistance		≥ 3 kg		
Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category		700 hours RC5		
Condensation resistance (QCT)		1500 hours		
UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) test (2000 hours)• UV resistance category		ΔE ≤ 2; GR ≥ 80% RUV4		
Fire behaviour classification: <ul style="list-style-type: none">• France CSTB• NF EN 13501-1		M0 A1 for colour class 1 to 4, A2 for metallic colour class 5		
Resistance to acids and bases		Good to very good		
Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics		Very good Low Good to very good		
Resistance to mineral oils		Very good		
Automatic guarantee		Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce		
		<ul style="list-style-type: none">• Non-perforation of the sheet metal• Non-delamination of the paint• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)	<ul style="list-style-type: none">≤ 30 years, depending on the external environment≤ 30 years, depending on the external environment≤ 5 years, depending on the geographic location and on the paint colour category	
Remarks	These performance characteristics refer specifically to metal coating Z275 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.			

Granite® HFX Cool

Properties	Thermosetting paint <ul style="list-style-type: none"> • Good formability at low temperature down to -10°C • Excellent corrosion resistance • Very good UV resistance • Scratch-resistant surface 	
Applications	Granite® HFX Cool is recommended for processing at low temperature in the cold environments encountered in Northern and Eastern Europe. Its main applications are for constructing standing seam roofs, accessories and rainwater systems (gutters, pipes and accessories).	
Description	Thickness	55 microns
	Composition	Front: 25 microns primer + 30 microns top coat Back: 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	30 or 40 GU depending on the colour Other gloss levels on request
	Colours	Colour palette Other colours on request
	Appearance	Grained
	Temporary protection (optional)	Not applicable
	Adhesion of the coating (T-bend)	≤ 1 T
Performance	Resistance to cracking on bending (T-bend):	
	• 20°C	≤ 0.5 T
	• 10°C	≤ 1.5 T
	• 0°C	≤ 2.5 T
	Impact resistance	18 J
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance:	
	• Salt spray test	700 hours
	• Corrosion resistance category	RC5
	Condensation resistance (QCT)	1500 hours
	UV resistance:	
	• QUV (UVA + H ₂ O) test (2000 hours)	ΔE ≤ 2; Gloss retention ≥ 80%
	• UV resistance category	RUV4
	Fire behaviour classification (EN 13501-1)	A1
	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Very good
	• Ketones	Low
	• Aromatics	Good to very good
	Resistance to mineral oils	Very good
Remarks	These performance characteristics refer specifically to zinc coating Z275. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite[®] PVDF 25 microns

Properties	Thermoplastic paint	<ul style="list-style-type: none"> • Very good colour and appearance stability • Good corrosion resistance • Very good chemical resistance
Applications	External uses: buildings in aggressive environment	
Description	Thickness	25 microns
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Specific colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 2; GR ≥ 80% RUV4
	Resistance to acids and bases	Good to very good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Good Good to very good
	Resistance to mineral oils	Very good
	Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	
	≤ 10 years, depending on the external environment ≤ 10 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category	

Granite® PVDF 35 microns

Properties	Thermoplastic paint		<ul style="list-style-type: none">• Excellent colour and appearance stability• Good corrosion resistance• Excellent chemical resistance
Applications	External uses: architectural buildings, buildings in aggressive environment		
Description	Thickness	35 microns	
	Composition	Front: 15 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available	
	Gloss (Gardner 60°)	30 GU Other gloss levels on request	
	Colours	Specific colours on request	
	Appearance	Smooth	
	Temporary protection (optional)	Self-adhesive film or heat-sealed film	
	Performance	Adhesion of the coating (T-bend)	≤ 1 T
Resistance to cracking on bending (T-bend)		≤ 2 T	
Impact resistance		18 J	
Surface “pencil” hardness		HB to H	
Clemen scratch resistance		≥ 2 kg	
Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category		500 hours RC4	
Condensation resistance (QCT)		1500 hours	
UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) test (2000 hours)• UV resistance category		ΔE ≤ 2; GR ≥ 80% RUV4	
Fire behaviour classification: <ul style="list-style-type: none">• France CSTB• NF EN 13501-1		M0 A1	
Resistance to acids and bases		Very good	
Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics		Excellent Very good Very good	
Resistance to mineral oils		Excellent	
Automatic guarantee		Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none">• Non-perforation of the sheet metal• Non-delamination of the paint• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)	
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Granite[®] Farm

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very good chemical resistance for indoor side• Good UV resistance• Good corrosion resistance• Good formability	
Applications	External uses: cladding, roofing and accessories for farm buildings			
Description	Thickness	25 microns / front 35 microns / back		
	Composition	Front:	5 microns primer + 20 microns top coat	
		Back:	15 microns primer + 20 microns top coat	
	Gloss (Gardner 60°)	30 GU Other gloss levels on request		
	Colours	Specific colours on request		
	Appearance	Smooth		
	Temporary protection (optional)	Self-adhesive film or heat-sealed film		
Performance	Adhesion of the coating (T-bend)	≤ 1 T		
	Resistance to cracking on bending (T-bend)	≤ 2 T		
	Impact resistance	18 J		
	Surface “pencil” hardness	HB to H		
	Clemen scratch resistance	≥ 2 kg		
	Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category	360 hours RC3		
	Condensation resistance (QCT)	1500 hours		
	UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) test (2000 hours)• UV resistance category	ΔE ≤ 3; GR ≥ 60% RUV3		
	Fire behaviour classification: <ul style="list-style-type: none">• France CSTB• NF EN 13501-1	M0 A1		
	Resistance to acids and bases	Good to very good		
	Resistance to ammonia	Back: very good		
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Front Very good Low Good to very good	Back Very good Very good Very good	
	Resistance to mineral oils	Very good		
	Remarks	These performance characteristics refer specifically to metal coating Z275 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Granite[®] Tex

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Very good resistance to abrasion • Very good compromise hardness/flexibility • Very good formability • Good corrosion resistance
Applications	Use of textured products for external applications: electrical cabinets, air conditioners, urban furnishings	
Description	Thickness	35 microns
	Composition	Front: 20 microns coloured base coat + 15 microns textured varnish Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	Usual: 30-50 GU
	Colours	Specific colours on request
	Appearance	Textured
	Temporary protection	Not applicable
Performance	Adhesion of the coating (T-bend)	≤ 0.5 T
	Resistance to cracking on bending (T-bend)	≤ 1 T
	Impact resistance	18 J
	Surface "pencil" hardness	H to 2H
	Clemen scratch resistance	≥ 3 kg
	Taber abrasion resistance	25-30 mg
	Corrosion resistance:	
	• Salt spray test	360 hours
	• Corrosion resistance category	RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance:	
	• QUV (UVA + H ₂ O) test (2000 hours)	ΔE ≤ 3; GR ≥ 60%
	• UV resistance category	RUV3
Remarks	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Very good
	• Ketones	Low
	• Aromatics	Good
	Resistance to mineral oils	Very good
These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Granite[®] Shutter

Properties

- Good compromise hardness/flexibility
- Good formability
- Good sliding and abrasive properties
- Good corrosion and UV resistance

Applications

External uses: roller shutters etc

Description

Thickness	35 microns
Gloss (Gardner 60°)	30 to 50 GU
Colours	Specific colours on request
Appearance	Textured

Performance

Adhesion of the coating (T-bend)	≤ 0.5 T
Resistance to cracking on bending (T-bend)	≤ 1 T
Impact resistance	18 J
Surface "pencil" hardness	H to 2H
Clemen scratch resistance	≥ 3 kg
Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	360 hours RC3
Condensation resistance (QCT)	1000 hours
UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 3; GR ≥ 60% RUV3

Remarks

These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum).
If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.

Granite[®] Boosted

Properties

- Good UV resistance
- Good corrosion resistance
- Good formability
- Allows transportation of insulated panels

Applications	External uses: insulated panels for construction (cladding, roofing and accessories)	
Description	Thickness	25 microns
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Specific colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Fretting test	No scratches with 7N traction force
	Surface "pencil" hardness	H
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test • Corrosion resistance category 	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: <ul style="list-style-type: none"> • QUV (UVA + H₂O) test (2000 hours) • UV resistance category 	ΔE ≤ 3; GR ≥ 60% RUV3
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite[®] Flex

Properties	Thermosetting paint	Very good formability during deep drawing and profiling
Applications	External building and general industry applications that require high flexibility during deformation: tiles, HEVAC etc	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	Usual: 10–80 GU
	Colours	Specific colours on request
	Appearance	Smooth, grained
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating
Performance	Adhesion of the coating (T-bend)	≤ 0.5 T*
	Resistance to cracking on bending (T-bend)	≤ 1 T*
	Impact resistance	18 J
	Resistance on deformed parts: Marciniak test	< 1C1
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance: • Salt spray test • Corrosion resistance category	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category	ΔE ≤ 5; GR ≥ 30% RUV2
	Resistance to acids and bases	Good to very good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 5; Gloss retention ≥ 30%)	
		≤ 10 years, depending on the external environment ≤ 5 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	
	* Data valid for a steel thickness ≤ 1.5 mm	

Granite[®] Deep Mat

Properties

- Nice aesthetic appearance: mat and wrinkled
- Very good formability
- Good corrosion resistance

Applications	External building and general industry applications: tiles, cladding etc	
Description	Thickness	35 microns
	Composition	Front: 10 microns primer + 25 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	Maximum 5 GU
	Colours	Specific colour palette
	Appearance	Wrinkled
	Temporary protection (optional)	Strippable films are usually not suitable for wrinkled surfaces
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Resistance on deformed parts: Marciniak test	< 1C1
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 1.5 kg
	Corrosion resistance: • Salt spray test • Corrosion resistance category	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category	ΔE ≤ 3; GR ≥ 60% RUV3
	Resistance to acids and bases	Good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good to very good
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 50%)	
		≤ 10 years, depending on the external environment ≤ 10 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Granite® Cloudy

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very good formability during deep drawing and profiling• Good corrosion resistance
Applications	External use: coating specifically designed for roof tiles		
Description	Thickness	Usual: 35 microns	
	Composition	Front: 35 microns Back: 5, 7, 10 or 12 microns backing coat Single-side finishing	
	Colours / Gloss (Gardner 60°)	Anticato, green, red / 5 GU Terracotta / 20 GU	
	Appearance	Cloudy effect	
	Temporary protection (optional)	Self-adhesive film; please contact us	
Performance	Adhesion of the coating	≤ 0.5 T	
	Resistance to cracking on bending	≤ 1 T	
	Impact resistance	18 J	
	Clemen scratch resistance	≥ 2 kg	
	Resistance on deformed parts: Marciniak test	< 1C1	
	Surface “pencil” hardness	F	
	Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category	360 hours depending on the substrate RC3	
	Condensation resistance (QCT)	1000 hours	
	UV resistance category	RUV4	
	Fire resistance (EN 13501-1)	A1	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Very good Low Good to very good	
	Resistance to mineral oils	Very good	
Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none">• Non-perforation of the sheet metal• Non-delamination of the paint• Aesthetic appearance ($\Delta E \leq 3$; Gloss retention $\geq 80\%$)		
		≤ 10 years, depending on the external environment ≤ 10 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category	
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). Although we take great care to reproduce the standard cloudy effect on each coil, ArcelorMittal does not guarantee the visual consistency of the colour from one coil to another. Consequently, you need to consider placing one single order for one building; standard samples can only serve as a guide.		

Granite[®] Rain HDS

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very good formability• Very good corrosion resistance• Very good UV resistance	
Applications	Rainwater systems (gutters, pipes and accessories)			
Description	Thickness	35 microns		
	Composition	Front: 15 microns primer + 20 microns top coat Double-side finish		
	Gloss (Gardner 60°)	30 or 40 GU depending on the colour Other gloss levels on request		
	Colours	Colour palette Other colours on request		
	Appearance	Grained		
	Temporary protection (optional)	Not applicable		
	Performance	Adhesion of the coating (T-bend)	≤ 1 T	
Resistance to cracking on bending (T-bend)		≤ 2 T		
Impact resistance		18 J		
Clemen scratch resistance		≥ 2 kg		
Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category		500 hours RC4		
Condensation resistance (QCT)		1500 hours		
UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) tests (2000 hours)• UV resistance category		ΔE ≤ 2; Gloss retention ≥ 80% RUV4		
Fire behaviour classification (EN 13501-1)		A1		
Resistance to acids and bases		Good to very good		
Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics		Very good Low Good to very good		
Resistance to mineral oils		Very good		
Automatic guarantee		Please refer to the guarantee text in the module Products & Services > Guarantees at www.arcelormittal.com/fce <ul style="list-style-type: none">• Non-perforation of the sheet metal• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)		10 years ≤ 5 years, depending on the paint colour category
		Remarks		
These performance characteristics refer specifically to zinc coating Z275. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.				

Granite[®] Rain HDX

Properties	Thermosetting paint		<ul style="list-style-type: none">• Formable at low temperature• Very good formability• Excellent corrosion resistance• Very good UV resistance• Scratch-resistant surface	
Applications	Rainwater systems (gutters, pipes and accessories)			
Description	Thickness	55 microns		
	Composition	Front: 25 microns primer + 30 microns top coat Double-side finish		
	Gloss (Gardner 60°)	30 or 40 GU depending on the colour Other gloss levels on request		
	Colours	Colour palette Other colours on request		
	Appearance	Grained		
	Temporary protection (optional)	Not applicable		
Performance	Adhesion of the coating (T-bend)	≤ 1 T		
	Resistance to cracking on bending (T-bend)	≤ 0.5 T		
	Impact resistance	18 J		
	Clemen scratch resistance	≥ 2 kg		
	Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category	700 hours RC5		
	Condensation resistance (QCT)	1500 hours		
	UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) tests (2000 hours)• UV resistance category	ΔE ≤ 2; Gloss retention ≥ 80% RUV4		
	Fire behaviour classification (EN 13501-1)	A1		
	Resistance to acids and bases	Good to very good		
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Very good Low Good to very good		
	Resistance to mineral oils	Very good		
	Automatic guarantee	Please refer to the guarantee text in the module Products & Services > Guarantees at www.arcelormittal.com/fce <ul style="list-style-type: none">• Non-perforation of the sheet metal• Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 80%)		15 years ≤ 5 years, depending on the paint colour category
		Remarks		
These performance characteristics refer specifically to zinc coating Z275. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.				

Granite[®] Wood

Properties	Thermosetting paint		<ul style="list-style-type: none">• Good colour and stability of appearance• Good corrosion resistance• Very good UV resistance
Applications	External uses: construction (cladding, entrance doors, garage doors)		
Description	Thickness	35 microns	
	Composition	Front: 35 microns Back: 5, 7, 10 or 12 microns backing coat Single-side finish	
	Gloss (Gardner 60°)	20 GU	
	Colours	Specific colour palette	
	Wood printed pattern	Oak Palisander Mogano Noce Alder	
	Appearance	Smooth	
	Temporary protection (optional)	Self-adhesive film; please contact us	
	Performance	Adhesion of the coating (T-bend)	≤ 1 T
Resistance to cracking on bending (T-bend)		≤ 2 T	
Impact resistance		18 J	
Surface “pencil” hardness		F	
Clemen scratch resistance		≥ 2 kg	
Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category		360 hours RC3	
Condensation resistance (QCT)		1000 hours	
UV resistance category		RUV4	
Resistance to acids and bases		Good to very good	
Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics		Very good Low Good to very good	
Resistance to mineral oils		Very good	
Automatic guarantee		Please refer to the guarantee text in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none">• Non-perforation of the sheet metal• Non-delamination of the paint• Aesthetic appearance ($\Delta E \leq 3$; Gloss retention $\geq 80\%$)	
Remarks	<div>≤ 10 years, depending on the external environment</div> <div>≤ 10 years, depending on the external environment</div> <div>≤ 5 years, depending on the geographic location and on the paint colour category</div>		
	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). Although we take great care to reproduce the standard wood effect on each coil, ArcelorMittal cannot guarantee visual consistency of the colour from one coil to another. Consequently, clients are advised to consider placing one single order for one building; standard samples can only serve as a guide.		

Granite[®] Diamond

Properties	Thermosetting paint		<ul style="list-style-type: none">• New mineral aspect and texture• Good UV resistance and good corrosion resistance• High surface hardness and good formability
Applications	External uses: construction (cladding) Coating specifically designed for aesthetic and surface robustness End uses: walls, industrialised building components, sandwich panels, cassettes and accessories		
Description	Thickness	Usual:	45 microns
	Composition	Front: Back: Single-side finish	45 microns 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual:	5 GU
	Colours	Specific colour palette Other colours on request	
	Appearance	Stone effect, sparkling	
	Temporary protection (optional)	Strippable films are usually not suitable	
Performance	Adhesion of the coating (T-bend)	≤ 1 T	
	Resistance to cracking on bending (T-bend)	≤ 2 T	
	Impact resistance	18 J	
	Surface “pencil” hardness	H to 2H	
	Clemen scratch resistance	≥ 4 kg	
	Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category	500 hours depending on the substrate RC4	
	Condensation resistance (QCT)	1500 hours	
	UV resistance: <ul style="list-style-type: none">• QUV (UVA + H₂O) test (2000 hours)• UV resistance category	ΔE ≤ 3; Gloss retention ≥ 60% RUV3	
	Fire resistance (EN 13501-1)	A1	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Very good Low Good to very good	
	Resistance to mineral oils	Very good	
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). Although we take care to reproduce the grained effect on each coil, ArcelorMittal does not guarantee the visual consistency of the colour from one coil to another. Consequently, you need to consider placing one single order for one building; standard samples can only serve as a guide.		

Granite® Comfort

Properties	Thermosetting paint	<ul style="list-style-type: none"> • High solar reflectance performance • Very good resistance to solar radiation • Good corrosion resistance • Good formability
Applications	External building and general industry: sandwich panels, insulated systems, single profiles Building projects with low energy consumption requirement	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat Double-side finish available
	Gloss (Gardner 60°)	Usual: 30 GU Other gloss levels on request
	Colours	Colour palette Specific colours on request
	Total Solar Reflectance (ASTM E 903 – 96)	≥ 25%
	Appearance	Smooth Grained and wrinkled on request
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 2 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Clemen scratch resistance	≥ 2 kg
	Corrosion resistance: • Salt spray test • Corrosion resistance category	360 hours RC3
	Condensation resistance (QCT)	1000 hours
	UV resistance: • QUV (UVA + H ₂ O) test (2000 hours) • UV resistance category	ΔE ≤ 3; GR ≥ 60% RUV3
	Fire behaviour classification: • France CSTB • NF EN 13501-1	M0 A1
	Resistance to acids and bases	Good to very good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good to very good
	Resistance to mineral oils	Very good
Guarantee	<ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance (ΔE ≤ 3; Gloss retention ≥ 50%) 	≤ 10 years, depending on the external environment ≤ 10 years, depending on the external environment ≤ 5 years, depending on the geographic location and on the paint colour category
Remarks	These performance characteristics refer specifically to metal coating Z225, Z200 in Spain, Z150 in Italy (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Solano® 10

Properties

- Good corrosion resistance
- Very good formability
- Excellent abrasion resistance
- Phthalate-free

Applications	External uses: construction (cladding, roofing)	
Description	Thickness	200 microns
	Composition	Z225 or equivalent Front: 200 microns of finish Back: 5, 7, 10 or 12 microns backing coat Double-side finish available (please contact us)
	Colours	Complete range (see the Solano® colour palette) Specific colours on request
	Appearance	Embossed (leathergrain, grained, medium striped, woodgrain, fine striped) Smooth (please contact us)
Performance	Adhesion of the coating	≤ 1 T
	Resistance to cracking on bending	≤ 3 T
	Impact resistance	Very good
	Surface "pencil" hardness	4 to 6B
	Corrosion resistance: • Salt spray test	700 hours
	Condensation resistance (QCT): • QCT test	700 hours
	Resistance to acids and bases	Good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to "Solano® Automatic Guarantee" in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce <ul style="list-style-type: none"> • Non-perforation of the sheet metal • Non-delamination of the paint • Aesthetic appearance 	
		≤ 10 years ≤ 10 years Not automatically covered by guarantee
Fire classification	EN 13501-1 standard	Cs2d0

Solano® 20

Properties

- Very good corrosion resistance
- Very good formability
- Excellent abrasion resistance
- Phthalate-free

Applications	External uses: construction (cladding, roofing)	
Description	Thickness	200 microns
	Composition	Z275 or equivalent Front: 200 microns of finish Back: 5, 7, 10 or 12 microns backing coat Double-side finish available (please contact us)
	Colours	Complete range (see the Solano® colour palette) Specific colours on request
	Appearance	Embossed (leathergrain, grained, medium striped, woodgrain, fine striped) Smooth (please contact us)
Performance	Adhesion of the coating	≤ 1 T
	Resistance to cracking on bending	≤ 3 T
	Impact resistance	Very good
	Surface "pencil" hardness	4 to 6B
	Corrosion resistance: • Salt spray test	1000 hours
	Condensation resistance (QCT): • QCT test	1000 hours
	UV resistance: • QUV (UVA + H ₂ O) test • European EN 10169/2 category	2000 hours RUV2 (colour deviation < 5 – gloss retention > 30%)
	Resistance to acids and bases	Good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to "Solano® Automatic Guarantee" in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce	
	• Non-perforation of the sheet metal	≤ 20 years
	• Non-delamination of the paint	≤ 20 years
	• Aesthetic appearance	≤ 2 years
Fire classification	EN 13501-1 standard	Cs2d0

Solano® 30

Properties

- Very good corrosion resistance
- Very good formability
- Good colour fastness
- Excellent abrasion resistance
- Phthalate-free

Applications	External uses: construction (cladding, roofing)	
Description	Thickness	200 microns
	Composition	ZA265 Front: 200 microns of finish Back: 12 microns backing coat Double-side finish available (please contact us)
	Colours	Complete range (see the Solano® colour palette) Specific colours on request
	Appearance	Embossed (leathergrain, grained, medium striped, woodgrain, fine striped) Solano® logo emboss Smooth (please contact us)
Performance	Adhesion of the coating	≤ 0.5 T
	Resistance to cracking on bending	≤ 1.5 T
	Impact resistance	Very good
	Surface "pencil" hardness	4 to 6B
	Corrosion resistance: • Salt spray test	1000 hours
	Condensation resistance (QCT): • QCT test	1500 hours
	UV resistance: • QUV (UVA + H ₂ O) test • European EN 10169/2 category	2000 hours RUV4 (colour deviation < 2 – gloss retention > 80%)
	Resistance to acids and bases	Good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Good to very good
	Resistance to mineral oils	Very good
Automatic guarantee	Please refer to "Solano® Automatic Guarantee" in the module Products & Services > Guarantee organic coated steel on www.arcelormittal.com/fce	
	• Non-perforation of the sheet metal	≤ 30 years
	• Non-delamination of the paint	≤ 30 years
	• Aesthetic appearance	≤ 5 years
Fire classification	EN 13501-1 standard	Cs2d0

Skinplate® for outdoor use

Properties	Thermoplastic film		<ul style="list-style-type: none">• Very good aesthetic appearance: wide range of films, colours and designs• Very good formability• Excellent resistance to abrasion
Applications	Waterproof layer for flat roofs, garage doors, accessories		
Description	Thickness	200 up to 1400 microns	
	Composition	Front: 3 microns primer + 8 microns adhesive + 200 up to 1400 microns thermoplastic film Back: 7 to 20 microns backing coat Double-side finish film is not available.	
	Gloss (Gardner 60°)	Usual:	10-30 GU
	Colours	Specific colours on request	
	Appearance	Smooth, printed (wood)	
	Temporary protection (optional)	Some types of film can be protected with a strippable film.	
	Performance	Adhesion of the coating (T-bend)	≤ 1 T
Resistance to cracking on bending (T-bend)		≤ 2 T	
Impact resistance		18 J	
Surface "pencil" hardness		> H	
Clemen scratch resistance		≥ 2 kg	
Taber abrasion resistance		20-25 mg	
Corrosion resistance: <ul style="list-style-type: none">• Salt spray test• Corrosion resistance category		700 hours RC5	
UV resistance		Very good	
Temperature resistance		Maximum 60°C	
Fire behaviour classification: <ul style="list-style-type: none">• France CSTB• NF EN 13501-1		M2 minimum Cs3 minimum	
Resistance to acids and bases		Good to very good	
Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics		Very good Low Low	
Resistance to mineral oils		Very good	
Remarks		These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic[®] Access

Properties	Thermosetting paint	
Applications	Liners, furniture, indoor building applications	
Description	Thickness	15 microns
	Composition	Front: 15 microns top coat Back: 5 or 7 microns backing coat
	Gloss	20-30 GU
	Colour	A9002, A9010, A9881 Other colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating	≤ 2 T
	Resistance to cracking on bending	≤ 3 T
	Impact resistance	15 J
	Clemen scratch resistance	≥ 1 kg
	Surface "pencil" hardness	HB to H
	Salt spray test	150 hours
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic® Standard

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Good corrosion resistance • Good formability
Applications	Basic coating for indoor applications: shelves, radiators, casings	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	30 GU Other gloss levels on request
	Colours	Colour palette Other colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating	≤ 2 T
	Resistance to cracking on bending	≤ 3 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Salt spray test	240 hours
	Resistance to acids and bases	Good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Low Good to very good
	Resistance to mineral oils	Very good
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic[®] Flex

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very good formability• Very good resistance to abrasion• Good surface hardness
Applications	Internal building and general industry applications that require high flexibility: HEVAC, furniture etc		
Description	Thickness	25 microns	
	Composition	Front:	5 microns primer + 20 microns top coat
		Back:	5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual:	30-80 GU
	Colours	Specific colours on request	
	Appearance	Smooth, grained	
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating	
Performance	Adhesion of the coating	0 T*	
	Resistance to cracking on bending	1 T*	
	Impact resistance	18 J	
	Surface “pencil” hardness	HB to H	
	Salt spray test	240 hours	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Very good Low Good	
	Resistance to mineral oils	Very good	
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		
* Data valid for a steel thickness ≤ 1.5 mm			

* Data valid for a steel thickness ≤ 1.5 mm

Estetic® Clean

Properties

Colaminated coating
(film + paint)

- Aggressive and very wet indoor environments
- Very good formability
- Scratch resistant
- High chemical resistance
- Suitable for food contact (upon request)
- Resistance to stains, dirt, cleaning products etc

Applications

Panels for cold stores (ceilings, wall partitions, doors etc), food stores

Description

Thickness	55 microns
Composition	Front: 3 layers (15 microns primer, 20 microns base coat, 20 microns film) Back: 5, 7, 10 or 12 microns backing coat
Gloss (Gardner 60°)	Usual: 30 GU
Colours	Specific colours on request
Appearance	Smooth

Performance

Adhesion of the coating	0 T
Resistance to cracking on bending	1 T
Impact resistance	18 J
Surface "pencil" hardness	2H
Salt spray test	360 hours
Condensation resistance (QCT)	1000 hours
Resistance to temperature	-20°C to 100°C (continuous exposure) After exposure to 160°C during 400 hours, no loss of gloss +200°C (maximum spot temperature) -40°C (minimum spot temperature)
Fire behaviour classification: NF EN 13501-1	A1
Household products resistance	Very good
Food safety	Suitable for food contact (upon request)
Resistance to acids and bases	Very good
Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Very good Very good
Resistance to mineral oils	Very good

Remarks

These performance characteristics refer specifically to metal coating Z225.
If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.

Estetic[®] Mat

Properties	Thermosetting paint			<ul style="list-style-type: none">• Good formability• Mat aspect• Easy to clean• Excellent resistance to metal marking
Applications	Metal ceilings (capping, ceiling tiles, perforated panels, accessories etc), internal panels, doors			
Description	Thickness	25 microns		
	Composition	Front:	5 microns primer + 20 microns top coat	
		Back:	5, 7, 10 or 12 microns backing coat	
	Gloss (Gardner 60°)	Usual:	15 GU	
		Possible:	5-20 GU	
		≤ 5 GU for wrinkled surfaces		
	Colours	Specific colours on request		
Appearance	Smooth, wrinkled			
Temporary protection (optional)	Self-adhesive film or heat-sealed film			
Performance	Adhesion of the coating	≤ 0.5 T		
	Resistance to cracking on bending	≤ 2 T		
	Impact resistance	18 J		
	Surface “pencil” hardness	HB to F		
	Salt spray test	240 hours		
	Fire behaviour classification: NF EN 13501-1	A1		
	Resistance to acids and bases	Good		
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Good to very good Low Good		
	Resistance to mineral oils	Very good		
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.			

Estetic[®] Lighting 82

Properties	Thermosetting paint		<ul style="list-style-type: none">• Very high reflectance• Good formability
Applications	Lighting		
Description	Thickness	25 microns	
	Composition	Front:	5 microns primer + 20 microns top coat
		Back:	5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual:	50-90 GU
	Light reflectance (Y)	≥ 82	
	Colours	Various white colours	
	Appearance	Smooth	
	Temporary protection (optional)	Self-adhesive film or heat-sealed film	
Performance	Adhesion of the coating	0.5 T	
	Resistance to cracking on bending	2 T	
	Impact resistance	18 J	
	Surface “pencil” hardness	HB to F	
	Salt spray test	240 hours	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Good to very good Low Good to very good	
	Resistance to mineral oils	Very good	
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Estetic® High Tech

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Very good resistance to press forming • High aesthetic appeal • Low gloss finish
Applications	Electronic goods, hifi equipment, computers etc	
Description	Thickness	25 microns
	Composition	Front: 5 microns primer + 20 microns top coat Back: 3 microns Estetic® Conductive backing coat
	Gloss (Gardner 60°)	≤ 10 GU
	Colours	Specific colours on request
	Appearance	Smooth and grained
	Temporary protection (optional)	Self-adhesive film or heat-sealed film on smooth coating
Performance	Adhesion of the coating	0 T
	Resistance to cracking on bending	1 T
	Impact resistance	18 J
	Surface "pencil" hardness	H to 2H
	Salt spray test	240 hours
	Resistance to acids and bases	Good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Good to very good Low Very good
	Resistance to mineral oils	Very good
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic[®] Conductive

Properties	Conductive thermosetting paint with anti-fingerprint properties	
Applications	Teletronic goods, hifi, computers, weldable structures	
Description	Thickness	2 to 3 microns
	Gloss (Gardner 60°)	10 GU
	Colour	Clear coat
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	≤ 0.5 T
	Resistance to cracking on bending (T-bend)	≤ 1 T
	Impact resistance	18 J
	Surface "pencil" hardness	HB to H
	Corrosion resistance: • Salt spray test	100 hours
	Surface conductivity (Loresta test)	< 1 milli-ohm
	Static friction coefficient	0.13
	Temperature resistance	No change in appearance after 1 hour at 200 °C
	Chemical resistance	Very good resistance to an alkaline solution (ammonia 2%, NaOH 2%), ethanol, methanol
Remarks	These performance characteristics refer specifically to metal coating EZ 25/25 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic® Tex

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Very good resistance to abrasion • Good formability • Very good surface hardness
Applications	Metal furniture, shelves and shelving units, housings of domestic appliances, air conditioners, radiators, casings etc	
Description	Thickness	35 microns
	Composition	Front: 20 microns of coloured base coat + 15 microns of textured varnish Back: 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual: 30-50 GU
	Colours	Specific colours on request
	Appearance	Textured
	Temporary protection (optional)	Not applicable
	Adhesion of the coating	≤ 0.5 T
Performance	Resistance to cracking on bending	≤ 2 T
	Impact resistance	18 J
	Surface "pencil" hardness	H to 2H
	Salt spray test	240 hours
	Resistance to acids and bases	Good to very good
	Resistance to solvents: <ul style="list-style-type: none"> • Aliphatics and alcohols • Ketones • Aromatics 	Very good Low Good
	Resistance to mineral oils	Very good
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic® Wipe Board

Properties

- High-gloss finish
- Suitable for use with dry marker pens

Applications	Wipe boards	
Description	Thickness	25 microns
	Gloss (Gardner 60°)	80 to 90 GU
	Colours	Specific colours on request
	Appearance	Smooth
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	≤ 1 T
	Resistance to cracking on bending (T-bend)	≤ 3 T
	Impact resistance	18 J
	Surface "pencil" hardness	F to H
	Corrosion resistance: • Salt spray test	120 hours
	Wipeability	Little or no staining after 50 cycles of marking and wiping off. Marker pens recommended by ArcelorMittal. Wipeability guaranteed if a marked board is wiped the same day.
Remarks	These performance characteristics refer specifically to metal coating Z100 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic[®] Chalk Board

Properties

- Low gloss finish
- Suitable with chalk

Applications	Chalk boards	
Description	Thickness	25 to 40 microns
	Gloss (Gardner 60°)	4 to 7 GU
	Colours	Green, black
	Appearance	Smooth
	Temporary protection (optional)	On request
Performance	Resistance to cracking on bending (T-bend)	≤ 3 T
	Surface "pencil" hardness	2H
	Corrosion resistance: • Salt spray test	150 hours
Remarks	These performance characteristics refer specifically to metal coating Z100 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic® Cold

Properties	Thermosetting paint			<ul style="list-style-type: none">• Good formability• Good stain resistance
Applications	Domestic appliances: refrigerators, chest freezers, microwave ovens, water heaters, small domestic appliances etc			
Description	Thickness	25 microns		
	Composition	Front:	5 microns primer + 20 microns top coat	
		Back:	7, 10 microns high gloss backing coat	
	Gloss (Gardner 60°)	Usual:	60-90 GU	
	Colours	Specific colours on request		
	Appearance	Smooth, orange peel		
	Temporary protection (optional)	Self-adhesive film or heat-sealed film		
Performance	Adhesion of the coating	0.5 T		
	Resistance to cracking on bending	2 T		
	Impact resistance	18 J		
	Surface “pencil” hardness	F to H		
	Salt spray test	240 hours		
	Household products resistance	Good		
	Resistance to acids and bases	Good to very good		
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Good to very good Low Good to very good		
	Resistance to mineral oils	Very good		
	Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Estetic® Cold Flex

Properties

- Very good formability
- Good stain resistance

Applications	Domestic appliance parts with high deformation	
Description	Thickness	25 microns
	Gloss (Gardner 60°)	30 to 90 GU
	Colours	Specific colours on request
	Appearance	Smooth, grained, orange peel
	Temporary protection (optional)	Self-adhesive film or heat-sealed film
Performance	Adhesion of the coating (T-bend)	0 T
	Resistance to cracking on bending (T-bend)	≤ 1 T
	Impact resistance	18 J
	Surface "pencil" hardness	F to H
	Corrosion resistance: <ul style="list-style-type: none"> • Salt spray test 	240 hours
Remarks	These performance characteristics refer specifically to metal coating Z100 (guaranteed minimum). If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Estetic® Hot

Properties	Thermosetting paint		<ul style="list-style-type: none">• Good formability• Good stain resistance• Very good heat resistance
Applications	Domestic appliances: cookers, ovens, small appliances etc		
Description	Thickness	25 microns	
	Composition	Front:	5 microns primer + 20 microns top coat
		Back:	7, 10 microns high gloss backing coat
	Gloss (Gardner 60°)	Usual:	30–90 GU
	Colours	Specific colours on request	
	Appearance	Smooth	
	Temporary protection (optional)	Self-adhesive film or heat-sealed film	
Performance	Adhesion of the coating	1 T	
	Resistance to cracking on bending	≤ 2 T	
	Impact resistance	18 J	
	Surface “pencil” hardness	F to H	
	Salt spray test	240 hours	
	Temperature resistance	Standard product: 120°C continuously, 24 hours at 180°C (maximum)	
	Household products resistance	Good	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Good to very good Low Good to very good	
	Resistance to mineral oils	Very good	
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.		

Estetic® Wet

Properties	Thermosetting paint			<ul style="list-style-type: none">• High gloss• Very good formability• Good detergent resistance
Applications	Domestic appliances: washing machines, tumble dryers, dishwashers, small appliances etc			
Description	Thickness	25 microns		
	Composition	Front:	5 microns primer + 20 microns top coat	
		Back:	7, 10 microns high gloss backing coat	
	Gloss (Gardner 60°)	Usual:	60-90 GU	
	Colours	Specific colours on request		
	Appearance	Smooth, orange peel		
Performance	Temporary protection (optional)	Self-adhesive film or heat-sealed film		
	Adhesion of the coating	0 T		
	Resistance to cracking on bending	1 T		
	Impact resistance	18 J		
	Surface “pencil” hardness	F to H		
	Salt spray test	360 hours		
	Resistance to detergent	Very good with liquid and powder detergent		
	Resistance to acids and bases	Good to very good		
	Resistance to solvents: <ul style="list-style-type: none">• Aliphatics and alcohols• Ketones• Aromatics	Good to very good Low Good to very good		
	Resistance to mineral oils	Very good		
Remarks	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.			

Estetic[®] Bright

Properties

Colaminated coating
(film + paint)

- Excellent formability
- Scratch resistant
- High chemical resistance
- Suitable for food contact (upon request)
- Good resistance to dirt stains, detergent, cleaning products etc

Applications

High aesthetic appeal for domestic appliances (doors & side panels for refrigerators, washing machines, microwave ovens etc) and general industry (vending machines, heaters)

Description

Thickness	40 microns
Composition	Front: 3 layers (5 microns primer, 20 microns base coat and 15 microns film) Back: 7, 10 microns high gloss backing coat
Gloss (Gardner 60°)	Usual: 90-100 GU
Colours	Specific colours on request
Appearance	Smooth, orange peel
Temporary protection (optional)	Self-adhesive film or heat-sealed film

Performance

Adhesion of the coating	0 T
Resistance to cracking on bending	0 T
Impact resistance	18 J
Surface "pencil" hardness	H to 2H
Salt spray test	360 hours
Household products resistance	Very good
Resistance to acids and bases	Very good
Resistance to solvents:	
• Aliphatics and alcohols	Very good
• Ketones	Very good
• Aromatics	Very good
Resistance to mineral oils	Very good

Remarks

These performance characteristics refer specifically to metal coating Z100.
If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.

Estetic® Ambient® Platinum

Properties

Varnished brushed metallic coating with thermosetting paint

- Anti-fingerprint
- Good staining resistance
- Good corrosion resistance
- Good formability

Applications

Particularly designed for interior decoration and cold and wet domestic appliances, Estetic® Ambient® Platinum is the aesthetic solution for cladding partitions, ceilings, lifts, furniture, refrigerators, chest freezers, microwave ovens, water heaters, small domestic appliances etc, and any kind of accessories in private or public buildings where aesthetic appearance is a key priority.

Description

Thickness	15 microns
Composition	Front: 7 microns primer + 8 microns top coat Back: 7 microns to avoid pressure marks
Gloss (Gardner 60°)	40-80 GU
Colours	Light to dark grey
Appearance	Satin-smooth skin Brushed regularly with long stripes in matching tones Natural metallic glints
Temporary protection (optional)	Self-adhesive film

Performance

Adhesion of the coating	≤ 0.5 T
Resistance to cracking on bending	≤ 1 T
Impact resistance	18 J (very good)
Clemen scratch resistance	≥ 2 kg
Surface "pencil" hardness	HB to H
Salt spray test	240 hours
Condensation resistance (QCT)	500 hours CPI2
Temperature resistance	120 hours at 100°C (ΔE < 2)
Fire behaviour classification: NF EN 14782	A1
Resistance to household products	Good
Resistance to acids and bases	Good
Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Good to very good Low Good to very good
Resistance to mineral oils	Good

Remarks

These performance characteristics refer specifically to metal coating ZE 7.5/7.5 microns.
If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.

Skinplate® for indoor use

Properties	Thermoplastic films	<ul style="list-style-type: none"> • Very good aesthetic appearance: wide range of films, colours and designs • Very good formability • Excellent resistance to abrasion
Applications	Shelving units, metallic furniture, ceilings, lifts, indoor aesthetic applications	
Description	Thickness	90 up to 400 microns
	Composition	Top coat: 8 microns adhesive + 90 up to 400 microns of thermoplastic film Back: 5, 7, 10 or 12 microns backing coat
	Gloss (Gardner 60°)	Usual: 10-30 GU – higher gloss level possible
	Colours	Specific colours on request
	Appearance	Grained, wood, textile, printed, leather or smooth, depending on the type of film
	Temporary protection (optional)	Some types of film can be protected with a strippable film.
Performance	Adhesion of the coating	≤ 1 T
	Resistance to cracking on bending	≤ 2 T
	Impact resistance	Very good
	Surface "pencil" hardness	> H
	Corrosion resistance: • Salt spray test	240 hours
	Fire behaviour classification: • France CSTB • (NF EN 13501-1)	M2 minimum Cs3 minimum
	Resistance to acids and bases	Good to very good
	Resistance to solvents: • Aliphatics and alcohols • Ketones • Aromatics	Very good Low Low
Remarks	Resistance to mineral oils	Very good
	These performance characteristics refer specifically to metal coating Z100. If any product (film, oil, foam, glue, paint etc) is applied after coil delivery, compatibility with the coating has to be checked.	

Backing coat 5 microns

Properties	Thermosetting paint	<ul style="list-style-type: none">• Compatible with foam• No guarantee on the colour consistency
Description	Thickness	5 microns
Performance	Adhesion of the coating	≤ 3 T
	Foam adhesion	Need to be checked by the end user with his specific products
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum).	

Backing coat 7 microns

Properties	Thermosetting paint	<ul style="list-style-type: none">• Compatible with foam• Corrosion protection
Description	Thickness	7 microns
Performance	Adhesion of the coating	≤ 3 T
	Clemen scratch resistance	1 kg
	Corrosion resistance category: <ul style="list-style-type: none">• Salt spray test	≥ 100 hours
	Foam adhesion	Need to be checked by the end user with his specific products
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum).	

Backing coat 10 microns

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Compatible with foam • Corrosion protection • Colours B 7032 & B 9002 defined at 10 microns
Description	Thickness	10 microns
	Gloss (Gardner 60°)	30 GU
	Colours	B 7032 & B 9002 (colour palette) Other colours on request
Performance	Adhesion of the coating	≤ 3 T
	Clemen scratch resistance	1.5 kg
	Corrosion resistance category: <ul style="list-style-type: none"> • Salt spray test • QCT 	≥ 150 hours 1000 hours
	Foam adhesion	Need to be checked by the end user with his specific products
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum).	

Backing coat 12 microns

Properties	Thermosetting paint	<ul style="list-style-type: none"> • Robust backing coat • Very good corrosion protection • Colour consistency • Compatible with foam
Applications	Reinforced backing coat, mandatory for Solano® 30	
Description	Thickness	12 microns
	Gloss (Gardner 60°)	30 GU
	Colours	B 7032 & B 9002 Other colours on request
Performance	Adhesion of the coating	≤ 2 T
	Flexibility of the coating	≤ 3 T
	Clemen scratch resistance	1.5 kg
	Corrosion resistance category:	
	• Salt spray test	240 hours
	• Storage test (6 weeks wet pack test 50°C)	< 2S2
	• QCT	1500 hours
	Foam adhesion	Need to be checked by the end user with his specific products
Remarks	These performance characteristics refer specifically to metal coating Z225 (guaranteed minimum).	