EvoTuff PU pigmented matt for exterior /Technical Data Sheet

INFORMATION

EvoTuff Two-component polyurethane enamel formulated for use as a finishing coat on metal substrates. The coating provides a matt finish with excellent resistance to weathering, light exposure and mechanical stress, making it suitable for industrial equipment, vehicles and metal structures..

FEATURES

Quick drying

High resistance to light and suitable for exposure to outdoor conditions

Excellent elasticity

Suitable as satin finish for industrial vehicles, agricultural machinery, cranes and forklifts

PROPERTIES

Property	Value
Viscosity (DIN 8 at 20°C)	20 – 50 sec
Density (20°C)	1050 – 1350 g/L
Solid Content (by weight) A+B	50 – 56 %
Solid Content (by volume) A+B	40 – 46 %
VOC Content	Specific per colour
Colours available	Colour Passion
Gloss (60°)	10 – 20

APPLICATION METHODS

Application	Diluent Type	Thinning (%)	Pressure	Nozzles	Fan (°)	Ratio of Compression
Cup Gun	DPN425	15 – 20	1.5 – 2 atm	1.5 – 1.7 mm	40	/
Airless	DPN425	5 – 10	120 bar	0.11 mm/p	30	30 : 1
Airmix	DPN425	10 – 15	90 bar	0.11 mm/p	40	30 : 1
Electrostatic	DPN425	15 – 20	120 bar	0.11 mm/p	40	30 : 1

DRYING TIME

Thickness (DFT) 50 µm	+10°C	+20°C	+30°C
Dust free	30 – 45 min	20 – 30 min	10 – 20 min
Touch dry	5 – 7 h	3 – 4 h	1 – 2 h
Print resistant	20 – 24 h	12 – 16 h	8 – 12 h
Stackable	24 h	16 h	12 h
Complete curing	10 days	7 days	5 days

FILM THICKNESS AND COVERAGE

Thickness	Wet (µm)	Dry (µm)	Coverage (m²/L)	Coverage (m²/kg)	Consumption (L/m²)	Consumption (kg/m²)
Minimum	90	40	11.10	9.80	0.090	0.100
Maximum	130	60	7.70	6.80	0.130	0.150

EvoTuff Epoxy high build grey primer /Technical Data Sheet

INFORMATION

EvoTuff Bi-component epoxy polyamide sealer designed for the protection of steel surfaces in industrial environments. The coating provides good adhesion, high anticorrosive protection and suitable filling properties. It is formulated for use as a protective primer or intermediate layer in coating systems applied on metal substrates.

FEATURES

Optimal adhesion

Good filler power

Suitable for steel structures in industrial environments

High anticorrosive protection

PROPERTIES

POLISTUC VERNICI

QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV – ISO 9001

Property	Value
Viscosity (DIN 8 at 20°C)	35 – 55 sec
Density (20°C)	1500 – 1700 g/L
Solid Content (by weight)	74 – 78 %
Solid Content (by weight) A+B	68 – 72 %
Solid Content (by volume) A+B	52 – 68 %
VOC Content	420 – 500 g/L
Colour	f330ex7035 light grey
Gloss (60°)	Matt
Temperature Resistance	-40°C to +120°C
Chemical Resistance	Resistant to oils, fuels, acids and solvents

APPLICATION METHODS

Application	Diluent Type	Thinning (%)	Pressure	Nozzles	Fan (°)	Ratio of Compression
Cup Gun	FDE05	15 – 20	1.5 – 2 atm	1.6 – 1.8 mm	45	/
Airless	FDE05	5 – 10	140 bar	0.15 mm/p	30	30 : 1
Airmix	FDE05	10 – 15	90 bar	0.15 mm/p	30	30 : 1
Electrostatic	FDE05	15 – 20	140 bar	0.15 mm/p	40	30 : 1

DRYING TIME

Thickness (DFT) 60 µm	+10°C	+20°C	+30°C
Dust free	25 – 30 min	15 – 20 min	10 – 15 min
Touch dry	4 – 5 h	2 – 3 h	1 – 2 h
Print resistant	26 – 32 h	16 – 20 h	12 – 16 h
Stackable	36 h	24 h	16 h
Complete curing	14 days	10 days	7 days

FILM THICKNESS AND COVERAGE

Thickness	Wet (µm)	Dry (µm)	Coverage (m²/L)	Coverage (m²/kg)	Consumption (L/m²)	Consumption (kg/m²)
Minimum	160	70	7.70	5.70	0.130	0.180
Maximum	210	90	5.60	4.10	0.180	0.240

EvoTuff Acrylic exterior clear coat /Technical Data Sheet

INFORMATION

EvoTuff Acrylic Exterior Clear Coat is a high-performance transparent protective coating designed for exterior applications. It provides excellent adhesion, flexibility, scratch resistance and durability while protecting surfaces against weathering, chemicals and temperature variations.

FEATURES

Quick drying

Good scratch resistance

Very flexible and elastic

Excellent retention in sunlight and UV exposure

Suitable for exterior and interior architectural surfaces

Can be applied as a protective clear finish over coated or metallic surfaces

PROPERTIES

POLISTUC VERNICI

QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV – ISO 9001

Property	Value
Viscosity (DIN 8 at 20°C)	20 ± 5 sec
Density (20°C)	1030 ± 20 g/L
Solid Content (by weight)	52 ± 1 %
Solid Content (by volume)	48 ± 1 %
Solid Content (by weight) A+B	50 ± 1
VOC Content	470 – 500 g/L
Gloss (60°)	10 – 20
Adhesion (UNI EN ISO 2409)	Class 0
Pencil Hardness (ASTM D3363)	HB
Temperature Resistance	–40°C to +120°C
Chemical Resistance	Resistant to oils, fuels, acids and solvents

APPLICATION METHODS

Application	Diluent Type	Thinning (%)	Pressure	Nozzles	Fan (°)	Ratio of Compression
Cup Gun	DPN425	15 – 25	1.8 – 2.2 atm	1.4 – 1.6 mm	40	/
Airless	DPN425	10 – 15	120 bar	0.11 mm/p	30	30 : 1
Airmix	DPN425	5 – 15	90 bar	0.11 mm/p	40	30 : 1
Electrostatic	DPN425	15 – 25	120 bar	0.11 mm/p	40	30 : 1

DRYING TIME

Drying stage	+10°C	+20°C	+30°C
Dust free	20 – 30 min	10 – 20 min	5 – 10 min
Touch dry	40 – 60 min	20 – 40 min	10 – 20 min
Handling time	12 – 16 h	6 – 8 h	4 – 6 h
Stackable	16 h	12 h	8 h
Complete curing	10 days	7 days	5 days

FILM THICKNESS AND COVERAGE

Thickness	Wet (µm)	Dry (µm)	Coverage (m²/L)	Consumption (L/m²)
Minimum	50	20	19.8	0.050
Maximum	90	40	11.2	0.090