

TEKNOPLAST HS 150

Versatile one-coat epoxy paint



Low solvent content, two-component TEKNOPLAST HS 150 epoxy paint has excellent adhesion onto sandblasted steel, bare zinc, aluminium, thin-plate and acid-proof steel. It produces a thick coating that is resistant to chemicals. The paint is suitable on internal and external surfaces as well as on subterranean and submerged steel structures.

TEKNOPLAST HS 150 can be used as a primer and top coat in abrasion and chemical resistant Teknos' epoxy paint systems K7, K8 and K58, and also in maintenance system K56. The paint comes up to the specifications of Swedish Standard SSG 1026-TD.

- High-solids versatile epoxy
- Suitable for use as an epoxy primer, intermediate or one-coat
- Anti-corrosive primer for two-layer systems
- Suitable for moderately corrosive (C3) environments when used as a single-layer
- Semigloss
- Extensive colour range from the TEKNOMIX tinting system
- Excellent adhesion onto sandblasted steel, bare zinc, aluminium, thin-plate and acid-proof steel
- Produces a thick coating that is resistant to chemicals

TEKNOPLAST HS 150 Epoxy Paint

Technical Data

Colours	Full colour range / TEKNOMIX tinting system
Finish	Semigloss
Volume of solids	70 ±2% (ISO 3233:1988)
VOC	abt. 300 g/l
Mixing ratio	4:1 by volume
Pot life, +23 °C	4 h
Thinner	TEKNOSOLV 9506
Clean up	TEKNOSOLV 9506 or TEKNOSOLV 9530

Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	80	114	8,8
	100	143	7,0
	150	214	4,7

Drying time, +23°C / 50% RH (dry film 80 µm)

• dust free (ISO 9117-3:2010)	after 30 min
• touch dry (DIN 53150:1995)	after 5 h
• fully cured	after 7 days

Overcoatable, 50% RH (dry film 80 µm)	by itself, for structures in ATMOSPHERIC exposure		by itself, for SUBMERGED or SUBTERRANEAN structure	
Surface temperature	min	max.*	min.	max.*
+10°C	after 16 h	after 2 months	after 36 h	after 7 days
+23°C	after 5 h	after 1 month	after 16 h	after 7 days

* Maximum overcoating interval without roughening.

Test Data

Property or test	Typical values	Method
Flexibility, Cupping test (DFT 120 µm)	2 mm	ISO 1520
Abrasion resistance, Taber test (DFT 100 µm) (wheel CS 17, load 1kg/1000 rounds)	180 ±10 mg	ASTM 4060

Performance of Paint System (ISO 12944-6)

Paint System ISO 12944-5 A3.09 / (EP-200/2-FeSa2½)

Paint layers	Trade name	Generic type	DFT
1st coat	TEKNOPLAST HS 150	2-component epoxy	100 µm
2nd coat	TEKNOPLAST HS 150	2-component epoxy	100 µm
Total DFT			200 µm

Test:	Neutral salt spray ISO 9227 480 h	Water condensation ISO 6270 240 h
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Results:

• blistering	0(S0)	0(S0)
• rusting	Ri0	Ri0
• cracking	0(S0)	0(S0)
• flaking	0(S0)	0(S0)
• corrosion from scratch	0 mm	–
• adhesion ISO 2409	1	1
• adhesion ISO 4624	6,0 MPa	6,2 MPa

Comments: The tested paint system fulfils of C3 High according to the laboratory tests.

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