

Designation of type	⇒ SO 700	State of 4/18
Product description	⇒ 1-component special anticorrosion primer ⇒ Excellent adhesion to steel, aluminium, hot dip galvanised steel and so on ⇒ High stability on vertical surfaces ⇒ Recoatable with 1-component PVC and acrylic resin coat	
Application area	⇒ General industry, steel construction, protection against corrosion	
Binder	⇒ Modified PVC copolymer	
Substrate/Preparation	⇒ Steel: at least degrease, better hand or eccentric sanding St 2-3 (P80-P220) or sand blasted to Sa 2 ½ DIN EN ISO 12944, part 4 ⇒ Cast iron: sand blasted to Sa 2 ½ DIN EN ISO 12944, part 4 ⇒ Aluminium: sweeping or hand sanding ⇒ Hot dip galvanized steel: sweeping, hand sanding or wetting agent washing DIN EN ISO 12944, part 4 ⇒ All surfaces dry, free of fat, oil, grease and dirt	
Processing	⇒ Brushing, rolling undiluted, max. 5 % thinner VS 15; because of the fast drying brush marks are possible ⇒ Gravity feed gun: 1.6-2.0 mm nozzle, 3-4 atomisation pressure, 15-20 % thinner VS 15 ⇒ HVLP: 1.7-2.2 mm nozzle, 1.5-2.0 bar atomisation pressure, 0-15 % thinner VS 15 ⇒ Double-diaphragm pump: 1.0-1.2 mm nozzle, 2-4 bar atomisation pressure, material pressure 0.8-2.0 bar, 10-15 % thinner VS 15 ⇒ Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from 70 bar up, 5-15 % thinner VS 15 ⇒ Airless: from 0.23 mm nozzle up, material pressure from 100 bar up, 0-10 % thinner VS 15 ⇒ Electrostatic: optional adjustable ⇒ Dependent on film thickness 1-2 spraying cycles, 3-6 min. intermediate flash off time ⇒ Ambient temperature at least + 10° C, relative air humidity: max. 75 % ⇒ Object temperature: at least. + 5° C and at least 3° C above the dew point	
Viscosities	⇒ Viscosity at delivery:	thixotropic
	⇒ Compressed-air spraying:	22- 30 sec. 4 mm / DIN
	⇒ Double-diaphragm pump:	30- 40 sec. 4 mm / DIN
	⇒ Airmix:	40- 50 sec. 4 mm / DIN
	⇒ Airless:	80-100 sec. 4 mm / DIN
Thinner	⇒ VS 15	

MEGENAX® UNIVERSAL PRIMER

PRODUCT INFORMATION



Drying time at 20° C	⇒ Tack-free	after 1-2 hours
	⇒ Ready for installation	after 4-5 hours
	⇒ Complete drying	after 1-2 days
Recoatability	⇒ After 4-5 hours	
	⇒ With PVC and acrylic resin coats: DZ, DZG DB, DAC, WLT	
	⇒ In case of doubt, check the recoatability before coating	
Colour	⇒ Light grey	
Degree of gloss	⇒ Flat	
Specific weight	⇒ Ø 1.40 g/cm ³	
Solid matter content	⇒ Ø 65 % (percent by weight)	
Solvent content	⇒ Ø 35 % (percent by weight)	
Film thickness	⇒ 50-100 µm dry film thickness / 115-230 µm wet film thickness	
	⇒ At sand blasted to Sa 2½ (roughness depth 45 µm) at least 60 µm dry film thickness	
Theoretical coverage	⇒ Approx. 6.0 m ² /kg at 50 µm dry film thickness	
Practical consumption	⇒ Compressed-air spraying: approx.0.24 kg/m ² or 4.2 m ² /kg at 50 µm dry film thickness	
	⇒ Airless: approx.0.33 kg/m ² or 3.0 m ² /kg at 80 µm dry film thickness	
VOC-value ready for use	⇒ 498 g/l	
	⇒ Limiting value paint material for buildings: 500 g/l	2004/42/IIA(i)(500)498
	⇒ Limiting value industrial coating: no specification	
	Coating of other metal and plastic surfaces	
Standard packaging	⇒ 10 kg	
Shelf life	⇒ At + 10 to + 30° C and unopened packaging 1 year	
Material safety data sheet	⇒ No. 003	
Flash point	⇒ > + 23° C	