

Styrene/acrylic dispersion for dip coatings

Acronal® PRO 7600

Performance highlights

- Good adhesion on steel and galvanized
- Good corrosion protection
- Controlled rheology at low shear rates
- Good acid and Cr-VI stability (coil)
- Intrinsic rheology for low shear applications
- Rheology (= film thickness) of dip coatings can be easily adjusted with BASF formulation additives (see table)

Usage

- Light to medium duty (≤ 240 h SST) applications (C2–C3)
- Steel and galvanized parts and constructions
- Electricity pylons, metal roofs
- Suitable for thin layer applications (DFT 2–5 μm), e.g. permanent coating, zinc lamellar, pretreatment etc.
- Especially suited for dip-coatings

Key technical data

- Self crosslinking styrene-acrylic dispersion
- Solids by weight: $\sim 50\%$
- Viscosity: 300–350 $\text{mPa}\cdot\text{s}$ (25 °C)
- pH: 9–9.5
- MFT: ~ 22 °C
- Density 1.04 g/cm^3

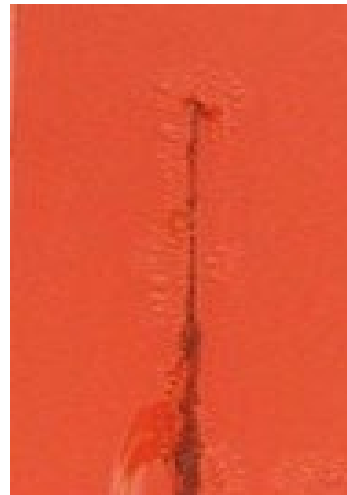
Exemplary applications



Availability

Samples & commercial quantities available

PRO 7600



Red primer: Salt Spray Test Results on Cold Rolled Steel after 240 h (80 microns dry film thickness)

	Acronal Pro 7600	Rheovis 1337	Rheovis 1303	Rheovis 1331	Rheovis 1291	Rheovis 1332	Rheovis 1330	Rheovis 1256
	Blank	1%	1%	1%	1%	1%	1%	1%
Viscosity 1 s^{-1}	4307	4782	7384	5922	19226	11449	3173	19181
Viscosity 10 s^{-1}	914	1144	1608	1573	8324	1409	936	7252
Viscosity 100 s^{-1}	261	340	443	613	2582	411	342	1779
Viscosity 1000 s^{-1}	99	125	147	253	329	150	143	262

Viscosity of Acronal PRO 7600 with different rheology additives measured at different shear rates with Rheometer. Viscosity at shear rate 1 s^{-1} is important for dip coatings