

PLIOLITE® AC4
RESIN

CHEMICAL DESCRIPTION

Rheological thermoplastic resin. Styrene-acrylate copolymer

APPLICATIONS

PLIOLITE® AC4 resin is a unique film forming rheological resin specially designed for high quality semi-thick and thick masonry coatings. It forms tough, abrasion resistant, and chemical resistant films that have excellent U.V. light resistance and exterior weathering properties. PLIOLITE® AC4 used alone or with PLIOLITE® AC80 gives an easy production and application of low and high textured exterior masonry and anti-carbonation coatings.

PLIOLITE® AC4 in combination with PLIOLITE® AC80 brings unique properties to the metal protection sector. The ability to apply a defect free high thickness coat up to 200 µm (dry) or more giving a regular homogeneous coverage of the whole surface including angles and surface irregularities and leading to cost savings.

The balanced selection of monomers in PLIOLITE® AC4 and PLIOLITE® AC80 beings optimum chemical and aging resistance for long-term protection, for structural steel paints, railway wagon and container paints, and intumescent fire retardant paints.

TYPICAL PROPERTIES

Physical form	Fine friable granules
Specific gravity	1.03
Refractive Index	1.532
Viscosity, sec	68 Brookfield units in 15% organic solvent blend.
Tg, °C	54 (mid-point, DSC 20°C/min)
Solubility	Recommended 45 KB min hydrocarbon solvent blended with polar or aromatic solvents to obtain satisfactory gel development.
Form of use	Gel
Film formation	Solvent evaporation

SAFETY, HANDLING

PLIOLITE® AC4 and AC5G contain traces of residual monomers. Therefore adequate ventilation should be employed in the processing areas.

PACKAGING

- 45 x 50 lb. (22.7 kg) paper bags, film wrapped on wooden pallets
- Dimensions: Length: 52 in. (1321 mm), Width: 44 in. (1118 mm), Height: 55 in. (1397 mm)
- Weight - gross: 2350 lb. (1066 kg)
- net: 2250 lb. (1021 kg)

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