

COATING RESINS

TECHNICAL DATA

SYNOCRYL 826S

SALES SPECIFICATION

% Non-Volatile content	60 +/- 2 %
Viscosity (Straight at 25°C)	9 - 13 Poise
Maximum colour	1/2 PRS / 2 Gardner
Acid value, mg KOH/g (ISO 3682)	10-15

OTHER PROPERTIES

Volatile	Xylene / Butanol (1:1)
Non-volatile content, % @ 150°C	60
Density at 20°C (ISO 2811)	0.98 1.05

Note – Acid Value quoted relative to solid resin

PRODUCT INFORMATION :

SYNOCRYL826S is a hydroxy functional Thermosetting acrylic resin developed for use in low bake stoving system for auto body paints and lacquers.

SYNOCRYL826S is recommended for the development of the acrylic based vehicle refinish lacquers or paints having following characteristics.

Characteristics of SYNOCRYL826S based coatings include :

- Excellent gloss and colour retention
- Excellent durability.
- Excellent polishing properties.
- Good chemical and stain resistance
- Good adhesion and hardness.

COMPATIBILITY: SYNOCRYL826S is compatible with similar grades of Thermosetting acrylic resins and all types of etherified amino resins.

USES:

- Automotive refinishes
- Low bake Finishes
- High quality domestic Appliances

SYNOCRYL 826S should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with Cray Valley before any action is taken.

RECOMMENDATIONS FOR USE:

REACTION RATIOS: SYNOCRYL826S should be mixed with Amino resins. Recommended ratios are 70:30 or 80:20 on solid Basis cooked at 120°C. Use of 5-10% of Acid catalyst soln. (20% of PTSA in Xylene) is acceptable at lower cooking temperature around 80°C.

Use of Epoxy Resins (Eq.Wt. 500) 1-7.5% to improve hardness. Use of Alkyds Resins to improve hardness, flexibility, gloss , solid content and weathering properties.

SOLVENTS: The solvents chosen for paints and lacquers based on SYNOCRYL826S are Xylene ,Toluene , Esters Glycol Ethers. It is having limited solubility in alcohols.