

COATING RESINS

TECHNICAL DATA

SYNOCRYL 829

SALES SPECIFICATION

% Non-Volatile content	58 - 62
Viscosity (Straight at 25°C)	10 - 15 Poise
Maximum colour	1/2 PRS / 2 Gardner
Acid value, mg KOH/g (ISO 3682)	15-20

OTHER PROPERTIES

Volatile	Xylene /Cellosolve Acetatel (1:3)
Non-volatile content, % @ 150°C	60
Density at 20°C (ISO 2811)	1.01 1.05

Note – Acid Value quoted relative to solid resin

PRODUCT INFORMATION :

SYNOCRYL829 is at hydroxy functional Thermosetting acrylic resin developed for use in low bake stoving system for auto body paints and lacquers.

SYNOCRYL829 is recommended for the development of the acrylic based vehicle refinish lacquers or paints having Excellent Petrol and Oil resistance

Characteristics of SYNOCRYL829 based coatings include :

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

COMPATIBILITY: SYNOCRYL829 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 829 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: SYNOCRYL829 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 Stoving Alkyds Resins to improve hardness, flexibility, gloss , solid content and weathering properties.

SOLVENTS: The solvents chosen for paints and lacquers based on SYNOCRYL829 are Xylene ,Toluene , Esters Glycol Ethers. It is having limited solubility in alcohols.