

## COATING RESINS

### TECHNICAL DATA

### SYNOCRYL 623

#### SALES SPECIFICATION

% Non-Volatile content	58 +/- 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 :

**SYNOCRYL623** is a hydroxy functional Thermosetting acrylic resin developed for use in low bake and NC based paints and lacquers.

**SYNOCRYL 623** is recommended for the development of the acrylic / NC based vehicle refinish lacquers or paints having following characteristics.

Characteristics of SYNOCRYL623 based coatings include following properties:

- Faster drying time
- Good adhesion and Gloss retention
- Good chemical resistance
- Good Petrol and oil resistance

#### RECOMMENDATIONS FOR USE:

**REACTION RATIOS:** SYNOCRYL 623 should be mixed with Amino resins. Recommended ratios are 70:30 or 80:20 on solid Basis cooked at 120°C. Use of Acid catalyst ( 1-5%) soln. (20%) is acceptable at lower cooking temperature around 80°C. For NC system recommended ratios are 5 – 15%

**SOLVENTS:** The solvents chosen for paints and lacquers based on SYNOCRYL623 are Xylene , Toluene , Esters Glycol Ethers. It is having limited solubility in alcohols.

#### USES:

- NC acrylic system
- Automotive top Coats
- Vehicle refinishing with excellent Colour retention.
- It can be used as a thermoplastic resin as it is having good solvent release; but before using it should be checked.

**COMPATIBILITY:** SYNOCRYL623 is compatible with almost all grades of NC resins and all types of Thermosetting and Thermoplastic resins

**SYNOCRYL 623** 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.