

## COATING RESINS

### TECHNICAL DATA

### SYNOCRYL 812S

#### SALES SPECIFICATION

% Non-Volatile content	48-52
Viscosity (Straight at 25°C)	9 - 12 Poise
Maximum colour	2 Gardner
PH of the Aqueous Solution	7-9

#### OTHER PROPERTIES

Volatile	Butanol
Non-volatile content, % @ 150°C	50
Density at 20°C (ISO 2811)	0.98 1.05

#### PRODUCT INFORMATION :

**SYNOCRYL812S** is a hydroxy functional water thinnable Thermosetting acrylic resin developed for use in low bake stoving system.

**SYNOCRYL812S** is recommended for the development of the acrylic based vehicle refinishing lacquers or paints having following characteristics.

Characteristics of SYNOCRYL812S based coatings include :

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

**SYNOCRYL 812S** should only be used in applications consistent with the above recommendations. Proposals to use the resin in alternative systems should be discussed with CRAY VALLEY before implementation.

#### **RECOMMENDATIONS FOR USE:**

**REACTION RATIOS:** SYNOCRYL812S 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 Water) is acceptable at lower cooking temperature around 80°C.

Use of Epoxy Resins ( Eq.Wt. 500) 1-7.5% to improve hardness.

**SOLVENTS:** SYNOCRYL 812S is dispersible in water to give translucent to milky solution. After complete curing it results into transparent film.

**COMPATIBILITY:** SYNOCRYL812S is compatible with similar grades of Thermosetting acrylic resins and all types of etherified amino resins.