

COATING RESINS

TECHNICAL DATA

SYNOCRYL 875W

SALES SPECIFICATION

Non-volatile content, % @ 150°C	50-54
Viscosity in CPS at 25°C	500-1000
Colour, Gardner scale (ISO 4630)	≤ 1
Acid value, mg KOH/g (ISO 3682)	≤10

OTHER PROPERTIES

Volatile	MTO/ Xylene (9:1)
Non-volatile content, % @ 150°C	52
Flash point, °C (ISO 3679)	30
Density at 20°C (ISO 2811)	0.98

PRODUCT INFORMATION:

SYNOCRYL 875W is a Thermoplastic Acrylic copolymer possessing the excellent colour and gloss retention and MTO soluble acrylic coating for the wood, metal, plastic

SYNOCRYL 875W Characteristics of SYNOCRYL 875W based coatings include:

- Excellent Gloss and colour retention.
- Excellent adhesion on bare metal.
- Good compatibility with the alkyd resins.

RECOMMENDATIONS FOR USE:

The main advantage of using Synocryl 875W is its MTO compatibility. Being an acrylic resin, it is recommended as an additive to paints; used in long & medium oil alkyds (both decorative and vehicle refinish type) for improving drying time, gloss and adhesion. The non-yellowing & water resistance of such paints is also improved by addition of Synocryl 875W. Typically, 10-15% (by weight on resin solids) Synocryl 875W is added to get desired improvements. Alternatively, Synocryl 875W can be applied as a protective topcoat over the hard dried film of alkyd based paints.

SYNOCRYL 875W can also be used as lacquer to deposit air drying films, which are resistant to soaps and detergents. It can be applied as a lacquer on plastic, wood and metals

SYNOCRYL 875W 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.

SOLUBILITY: **SYNOCRYL 875W** is supplied in MTO/ Xylene (9:1); which is soluble in all aromatic hydrocarbons, esters and ketones. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY: **SYNOCRYL875W** is compatible with the all long and medium oil alkyd resins, vinyl resins, chlorinated rubber and cellulose esters.

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