

COATING RESINS

TECHNICAL DATA

SYNOCRYL 9122X

SALES SPECIFICATION

Non-volatile content, % @ 150°C	38-42
Viscosity in CPS at 25°C (AFNOR XPT51213)	900-1500
Colour, Gardner scale (ISO 4630)	≤ 1
Acid value, mg KOH/g (ISO 3682)	≤10

OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	40
Flash point, °C (ISO 3679)	16
Density at 20°C (ISO 2811)	0.93

PRODUCT INFORMATION:

SYNOCRYL 9122X is a solution of thermoplastic acrylic polymer used principally in the ceramic industry for temporary binders, decorative inks and covercoats. SYNOCRYL 9122X can also be used in a variety of specialised air drying and stoving finishes.

SYNOCRYL 9122X Characteristics of SYNOCRYL 9122X based coatings include:

- Combine Elasticity with toughness.
- Degrade at 350°C-400°C without leaving a residue
- Exhibit outstanding colour retention to light and elevated temperatures.

RECOMMENDATIONS FOR USE:

As a temporary binder for decoration of earthen ware, glass, China, for the temporary binding work of metallic powders, or for the deposition of inorganic fired coatings.

SOLUBILITY: SYNOCRYL 9122X is supplied in Xylene ; which SYNOCRYL 9122X tolerates dilution with aromatic hydrocarbons, aliphatic esters, ketones, n-butanol, dipentene and pine oil. Limited reducibility is possible with aliphatic hydrocarbons.

COMPATIBILITY: SYNOCRYL 9122X is compatible with rosin, ester gum, nitrocellulose and linseed oil varnish.

SYNOCRYL9122X 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.

Ceramic Applications: The rapid depolymerisation of SYNOCRYL 9122X at 350 - 400°C makes this resin of particular interest for these ceramic applications.