

COATING RESINS

TECHNICAL DATA

SYNOCRYL 9123 N 47

SALES SPECIFICATION

Non-volatile content, % @ 125°C	46-48
Viscosity, 25°C, mPas (AFNOR XPT 51213)	2500-3300
Maximum colour, Pt/Co (ISO 6271)	70
Acid value, mg KOH/g (ISO 3682)	1 max.

OTHER PROPERTIES

Volatile	Aromatic solvent 160-180
Flash point, °C (ISO 3679)	47

PRODUCT INFORMATION

SYNOCRYL 9123 N 47 is a solution of thermoplastic acrylic polymer principally used in the ceramic industry for temporary binders for decorative inks and covercoats. SYNOCRYL 9123 N 47 can also be used in a variety of specialised air drying and stoving finishes.

Coatings for museum specimens and object d'art are examples of the way in which the good colour of SYNOCRYL 9123 N 47 can be utilised to provide good protection with minimum effect on the appearance of the specimens.

SYNOCRYL 9123 N 47

- * Combines elasticity with toughness.
- * Degrades at 350-400°C without leaving a residue.
- * Exhibits outstanding colour retention to light and elevated temperatures.

RECOMMENDATIONS FOR USE:

Air drying and stoving finishes may be formulated from SYNOCRYL 9123 N 47. There is, however, a slight tendency for solvent entrapment to occur during drying at ambient temperature and a forced drying process is recommended. An alternative method of improving solvent release and increasing film hardness of air drying systems is to incorporate 5-7% nitrocellulose into the formulation, although care should be taken in the choice of solvents in order to ensure complete compatibility of the components.

COMPATIBILITY:

SYNOCRYL 9123 N 47 has a limited compatibility with most alkyds, linseed stand oil, ethyl cellulose and acetyl cellulose. It is therefore recommended that blends are fully evaluated in the laboratory.

SYNOCRYL 9123 N 47 is compatible with rosin, ester gum, nitrocellulose, and varnish linseed oil.

SOLUBILITY:

SYNOCRYL 9123 N 47 is completely soluble in aromatic hydrocarbons, ketones and esters. Limited reducibility of SYNOCRYL 9123 N 47 is obtained with white spirit, and a blend of equal parts toluene and industrial alcohol.

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The information given herein must be read in conjunction with the relevant health and safety data. Starting point formulations and suggestions for use are given for guidance only and are made without warranty. This document should not be construed as permission or inducement to practise any invention by patent without the authority of the owner.

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