Larotact® 150

General	low-molecular-mass crosslinker for baking finishes to enhance crosslinking density and resistance properties in combinations with amino resins, solution in n-butanol.
Chemical nature	derivate of triazine, solution in n-butanol

Properties

Appearance

liquid

Typical characteristics
(should not be interpreted as specifications)

Non-volatile matter ISO 3251, 2 h, 105 °C	48-52 %
Viscosity 23 °C ISO 3219, annex A, shear rate D=500s^{-1}	10-50 mPa.s
Density 20 °C ISO 2811	~ 0.98g/cm^3
Hazen color number ISO 6271	< 50
pH value	3-6
aromatic hydrocarbon dilutability	1: > 50

Compatibility

Larotact® 150 is compatible with a wide variety of alkyd resins, acrylic resins and epoxy resins. In view of the many products available, the compatibility must be checked by the formulator.

Diluent tolerance

Larotact® 150 is soluble in alcohols, esters, aromatic hydro-carbons and glycol ethers, it is not miscible with water

Application

Larotact® 150 is a low-viscous and low-molecular-mass block-ed isocyanate crosslinker. Deblocking and crosslinking start at temperatures above 120°C.

Fields of application

Larotact® 150 is preferably used in finishes to be baked at low temperatures. Deblocking of reactive groups at 120°C (248°F) must be allowed, however. No formaldehyde is released during crosslinking.

Larotact® 150 does not tend to auto-condensation, making it an optimum crosslinker yielding an advantageous flexibility/hardness relation. Preferred fields of application are automotive, industrial and coil- coating finishes.

Processing

The crosslinking density and resistance properties of the coating formulation increase as does the amount of Larotact® 150. In particular, surface hardness as well as the resistance to scratching and acids increase during the reaction with the binder as urethane groups are formed.

Containing a solvent, Larotact® 150 is primarily suited for conventional coatings. Water-based coatings can be formulated using emulsifying binders.

Generally, 5–15 % of Larotact® 150, calculated on the recipe, should be added. It can be combined with other amino resins.

Coatings can be colored using pigments or pigment preparations (e. g., Sicoflush® preparations).

Storage

Larotact® 150 must not come into contact with metals or alloys likely to corrode. Drums must be kept tightly closed. Kept cool, if possible below 40 °C (102 °F), and in tightly sealed containers or storage tanks. It is not sensitive to frost.

Formulations must be tested at 50°C (122°F) for the viscosity to remain stable.

For further detailed application information please contact our Technical Support Department.

BASF Advanced Chemical Co., Ltd.
No. 300 Jiang Xin Sha Rd, Pudong, Shanghai, China