

Hardener H6

FEATURES

- UV resistance and transparency
- High reaction speed
- Colorless and transparent

COMPOSITION

- Cycloaliphatic diamine



H6 hardener is mainly used in combination with liquid epoxies. Colourless, transparent, resistant to UV rays, fast curing, even in the presence of high humidity.

APPLICATIONS

- Floors, composite marble, transparent castings.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact your local sales representative prior to writing specifications on this product.

Properties	Unit	Value
Aspect	Visual	Liquid
Color	Gardner	≤1
Purity	%	≥99.0
Density at 23°C	g/cm ³	0.940 – 0.950
Viscosity at 23°C	mPa.s	9
Boiling point	°C	240
Freezing point	°C	< -70
Flash point	°C	113
Molecular weight		142.2
Amine value		789
Equivalent weight {H}		35.6
Mix ratio with DGEBA EEW=190	pbw	100 : 19.1
Pot life at 30°C (300g)	Minutes	22

STOICHIOMETRY

Calculation of the grams of hardener required for 100g of resin:

$$\text{g of hardener} = \frac{\text{AHEW}}{\text{EEW}} \times 100$$

AHEW= amino equivalent

EEW= epoxy equivalent

MIXING

Weigh resin and hardener in the indicated ratio and mix until a homogeneous compound is obtained.

Warning! Epoxy resins and amines can generate a highly exothermic, uncontrolled reaction, with decomposition above 250°C. Prepare

limited quantities of material and proceed with application.

POTLIFE E GELTIME

The Potlife or time of use of the mixture is normally the time required for an increase equal to twice the initial viscosity. Both Pot-life and Gel-time depend on mass and temperature: the greater the mass, the faster the reaction will be. The higher the temperature, the faster the reaction.

CURING

The system cures at room temperature.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products are contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks for health and environment and for suitable protective devices to be adopted. Share the safety data sheets with all the staff involved in the use of the products.

PACKAGING

The product is supplied in 20kg, 190kg containers.

USABLE LIFE – STORAGE

Store in the original, unopened containers at a temperature between +15°C and +35°C. Be sure to close containers after use. This material, when stored under the specified conditions, has a shelf life of 24 months from the date of manufacture.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to be accurate. However, as the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values that are out of specification is limited to the replacement of the product or the refund of the purchase price.

Chemix disclaims any other explicit or implicit guarantee referring to the suitability of the Products in specific user's applications.

Chemix disclaims any liability for incidental or consequential damages resulting from the use of the Product.

www.chemix.it

Chemix Srl Via Berlinguer 8, 21010 Golasecca
(Italy). Phone +39(0)331959373 info@chemix.it