

Isodur E 15

Chemical name: Toluene diisocyanate-based prepolymer

Solvent: Not pre-dissolved; compatible with selected esters and aromatics

Material Definition

NCO content: 4.4 ± 0.2 %

Monomer content: < 0.5 %

Viscosity (23 °C): 7,000 ± 1,000 mPa·s

Reference Values:

Equivalent weight: 950 (approx.)

Flash point: 190 °C (approx.)

Density: 1.05 @20 °C (approx.)

Iodine color scale: ≤ 2

Reference values are not part of the specification.

Application

Isodur E 15 is a polyisocyanate prepolymer crosslinker designed for flexible coatings and sealing compounds.

It can be used in two-component systems for high-build, crack-bridging coatings on concrete or combined with latent hardeners for one-component applications such as flexible roof coatings.

Isodur E 15 provides excellent elasticity and weather resistance.

Usage Information

Isodur E 15 is compatible with esters such as ethyl acetate, butyl acetate, and

1-methoxypropylacetate-2, as well as aromatic hydrocarbons like toluene or xylene.

However, alcohols must not be used as they react with the prepolymer. PU-grade solvents with water content below 0.05% should be used.

Prolonged storage of low-binder-content solutions may result in turbidity or sedimentation.

Handling, Storage, and Packaging

The processing and use of Isodur E 15 require adequate technical and professional knowledge. Please consult the safety data sheet and observe local safety regulations.

Isodur E 15 must be stored in its sealed original containers at temperatures between 10 and 30°C, protected from moisture, heat, and foreign materials.

If stored correctly, it maintains stability for at least six months. Storage at high temperatures may lead to increased viscosity.

Available pack sizes for Isodur E 15:

180 kg drums

50 kg drums

0.75 kg aluminium bottles

0.75 kg plastic bottles

Regulatory Information

EU REACH registered: yes

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](#).

For updates on product information, please check this web page regularly:
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