

### Product description

**NewChem-2072** is an aromatic Polyisocyanate based on Toluene Diisocyanate. It is a colorless liquid with a solvent-like odor. **NewChem-2072** is a general-type hardener that imparts fast drying, high hardness, easy polishing and high strength. It can be used to formulate two-component polyurethane coatings and adhesives with polyester, Acrylic, alkyd resins or other substances containing hydroxyl groups.

### Specification

Property	Value
Non-volatile matter	75%±1
NCO content %	18-21
Monomeric content %	< 0.5
Equivalent Weight	Approx. 315
Viscosity, 23 °C (spindle 4- speed 60 rpm)	9000-12000
Color value ( Gardner)	≤1.0
Density	1.08 kg/L
Flash point	Approx. 25 °C
Amine content	max. 0.1 wt.%

### Application and Usage

- **NewChem-2072** is used as hardener of coatings for wood, metal, textiles, paper, plastics, rubber and mineral substrates.
- It is used as a hardener of polyester and acrylic resins with excellent corrosion resistance and superior outdoor durability.
- To accelerate the reaction, organic catalysts can be used: DEAE, DBTL or Zn Octoate.



### Solubility:

**NewChem-2072** resin is soluble in with esters, ketones and aromatic hydrocarbons such as ethyl acetate, butyl acetate, methoxypropylacetate, acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone, toluene, xylene, solvent naphtha 100 and mixtures thereof. However, the solutions formed must be tested for their storage stability. Only PU grade solvents should be used (max. 0.05% water, absence of reactive groups such as hydroxyl or amino groups).

### Compatibility:

**NewChem-2072** resin as crosslinking agent is compatible with Polyester resins, Polyacrylate resins, Coconut resins, aliphatic and aromatic polyisocyanates, Melamine formaldehyde, H3M and Benzoguanamine.

### Benefit

- Good hardness
- Good gloss
- Good flexibility and toughness
- Good weathering properties

In combination with various hydroxyl-bearing substances to formulate two-component polyurethane coatings and adhesives.

### Storage

**NewChem-2072** resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 30 °C, for up to 12 months. Exposure to direct sunlight and humid should be avoided. **NewChem-2072** is sensitive to moisture. Storage at higher temperatures will result in increasing of color and viscosity.

### Packaging

20 and 200 barrel and any other packaging can be optimized upon the request of customers.

