

HDI Low Viscosity Covestro XP2840

Characterization :

Aliphatic polyisocyanate based on hexamethylene diisocyanate.

As the hardener component for lightfast, weather-stable coating systems.

Form supplied :100 %

Characteristic data*

Property	Value	Unit of measurement	Method
NCO content	approx. 23.0	%	DIN EN ISO 11909
Viscosity at 23 °C	approx. 500	mPa·s	DIN EN ISO 3219/A.3
Color value (Hazen)	< 80		DIN EN 1557
Monomeric HDI	≤ 0.26	%	DIN 55 956

*These values are provisional. Binding supply specifications will not be available until the final product data sheet is published.

Other data**:

Property	Value	Unit of measurement	Method
Viscosity at 25 °C	approx. 450	mPa·s	DIN EN ISO 3219/A.3
Equivalent weight	approx. 183	g	
Flash point	183	°C	DIN EN 22 719
Density at 20 °C	1.15	g/cm ³	DIN EN ISO 2811

**These values provide general information.

Solubility / thinnability :

The product is compatible with the following solvents:

ethyl acetate, butyl acetate, 1-methoxypropylacetate-2, acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone, toluene, xylene, solvent naphtha[®] 100 and mixtures thereof.

Aliphatic hydrocarbons are unsuitable as solvents.

Desmodur[®] XP 2840 should not be thinned to below a solids content of 40 % by weight. Prolonged storage of a solution with lower binder content may result in turbidity and sedimentation. Storage stability of the thinned product should be tested in each case.

Compatibility :

Desmodur®XP 2840 can be blended with most Desmodur® grades, such as:Desmodur®N 75, N 100, N 3200, N 3300, N 3390, N 3400, N 3600, N 3900,Z 4470, HL and IL. Compatibility is generally good with hydroxyfunctional polyesters and polyethers (Desmophen®grades) as well as hydroxy acrylates.

It is incompatible with Desmophen® 650 and 651.

Properties / Applications :

As a particularly low-viscosity polyisocyanate, Desmodur® XP 2840 is particularly well suited for the formulation of high-solids coatings for general industrial coating, automotive refinishing, transportation and plastics coating applications.

Storage:

- Storage in original sealed Covestro container.
- Recommended storage temperature: > 0 - 30 °C.
- Protect from moisture, heat and foreign material.

General information : The product is sensitive to moisture. Storage at higher temperatures will result in increase of color and viscosity.

Storage time :

Covestro represents that, for a period of nine months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, whatever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the nine months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Covestro recommends to test such a product if it still meets the specifications or the set values. Covestro does not make any representation regarding the product after the lapse of the nine months period and Covestro shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the nine months period.

E_mail us : info@allhdi.com

