



CORONATE® HXLV

Polyisocyanates for PU Paints (Light Fast Type)

CORONATE HXLV is HDI based modified polyisocyanate, containing isocyanurate. CORONATE HXLV is hardener for two-component, non-yellowing type of PU paints, with superior performance to biuret or adducts types of hardeners. In combination with our NIPPOLLANS or other polyols (polyester, epoxy or acrylic resins), it can be applied in a wide range of coating fields, such as automotive, construction, wooden products, metals, plastics, rubbers, concrete, paper and leather, etc.

1. Typical Properties

	Unit	Typical Properties
Appearance	—	Pale yellow liquid
Color	APHA	≤ 40
NCO content	%	22.5-23.9
Free HDI	%	≤ 0.2
Solid Content	%	100
Viscosity	mm ² /s at 25°C	700-1,400
Specific Gravity	d ₄ ²⁰	

2. Physical Properties of Film

Polyol: Acrylic A-8010

NCO/OH=1 (mol)

Solid Content: 35wt%

Film Thickness: 40μ (dry)

Dry Time: 25°C, 10days

	Unit	Typical Property
Tack Free Time	Minutes	20
Dry Through Time	Hours	12
Impact Resistance	g x cm	1,000 x 30
Flexibility	2mmφ	Pass
Erichsen Value	mm	8
Pencil Hardness	-	H
Adhesion (cross cut)	-	100/100

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The information and recommendations in this brochure are to the best of our knowledge at the date of publication. Nothing contained herein is to be considered as a warranty, expressed or otherwise. In all cases, it is the responsibility of users to determine the applicability of such information or suitability of any product for their own particular purposes.



3. Handling Instructions

3.1 Storage Conditions

CORONATE HXR should always be kept in a closed container at room temperature during long periods of storage. This is to prevent any contact with moisture in the air, since this product is a chemical compound and is highly reactive with hydroxyl groups. This product should be stored indoors at room temperature (15-25°C).

3.2 At the Time of Use/Re-packing

The reaction of water with the NCO groups in this product causes not only the formation of insoluble products such as urea groups, but also CO₂ gas, which increases the pressure in a closed container, thus resulting in an expansion of the container.

The operation for partial use of this product or emptying of a drum should be carried out with great care in order to prevent any contamination with moisture. The operation to transfer this product into another container should be done under a dry atmosphere, and then sealed with dry nitrogen before sealing.

4. Standard Packing

200L drum: Net 220 kg

18L can: Net 20 kg