

Technical Datasheet Incozol 4

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Description

Incozol 4 is a urethane bridged bis-oxazolidine curing agent, which hydrolyses on exposure to moisture, yielding a reactive amine and hydroxyl functional cross-linking agent.

Used in conjunction with low NCO polyurethane prepolymers, this curing agent accelerates the cure of the prepolymer through a moisture triggered mechanism to afford crosslinking benefits to the 1K polyurethane coating. In addition, it enhances properties such as through cure development and mechanical strength by the elimination of CO₂ gassing in high build, high solids PU systems.

Typical Properties

Functionality	4
Equivalent Weight (g/eq isocyanate)	122
Viscosity (cP @ 20°C)	12,000
Density (g/cm ³)	1.08
Colour (APHA)	Max 300
Flash Point (°C)	90

Features

- Enables the production of high-build coatings without CO₂ gassing
- Good in-can stability for 1K aliphatic PU systems
- Increases the cure speed of 1K PU systems where the addition of heavy metal catalysts is restricted or unwanted

Typical Applications

- Waterproofing membranes such as roof coatings and balcony coatings
- High build, high solids (low VOC) moisture cure coatings and varnishes