



Desmodur® CQ ultra N 7600

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Low viscosity and easy to use for a range
of floor coatings



A self-leveling polyisocyanate hardener with up to 70% bio-based content for a wide range of floor coatings

Durable, light stable, abrasion- and impact-resistant floor coatings are essential across both indoor and outdoor settings. Partly bio-based pentamethylene diisocyanate (PDI) polyisocyanate alternatives can deliver these properties at a lower environmental impact (LCA available per request) than traditional fossil-fuel-based polyisocyanate hardeners.

High bio-based content – performance you are used to

Covestro's **Desmodur® CQ ultra N 7600** is a newly developed PDI polyisocyanate that matches the performance of conventional fossil-based polyisocyanates, but instead contains 68–70% bio-based carbon. When reacted with bio-based polyols, the final floor coating product may have a bio-based carbon content as high as 88%.

Desmodur® CQ ultra N 7600 is easy to mix and apply, and fast to cure, boosting efficiency. Its relatively low viscosity makes it

versatile for a range of applications, and its good balance between elongation, tensile strength, and hardness makes it suitable for use in stone carpets, self-leveling 2K PU decorative and industrial flooring or different automotive applications. It contains 100% solids, no intentionally added VOCs, and has a monomer content of less than 0.1%, meaning that no extra training is required for handling or transportation.

Key benefits of Desmodur® CQ ultra N 7600:

- 68–70% bio-based carbon content
- Can be used in combination with different polyols to increase the final bio-based content
- Relatively low viscosity of 3,000 mPa·s at 100% solids
- Final floor coatings have excellent elongation, tensile strength, and hardness properties
- Very low monomer content (<0.1%)

Desmodur® CQ ultra N 7600 at a glance:

- **Chemical base:** PDI
- **Bio-based content:** 68–70% (C14-certified)
- **Solids:** 100%

The Desmodur® CQ ultra range compared:

PRODUCT NAME	TYPE	BIO-BASED CARBON CONTENT [%]	NON-VOLATILE CONTENT APPROX. [%] (SOLVENT)	VISCOSITY (23°C) APPROX. [mPa·s]	NCO CONTENT ON SUPPLY FORM APPROX. [%]	RESIDUAL MONOMER CONTENT [wt%]
Desmodur® CQ ultra N 7300	PDI	68-70	100	9 500	21.9	<0.1
Desmodur® CQ ultra N 7390 BA*	PDI	61	90 in BA	1 000	19.9	<0.1
Desmodur® CQ ultra N 7355 BA/SN*	PDI	37	55 in BA/SN	20	12.0	<0.1
Desmodur® CQ ultra N 7200	PDI/HDI based	25	100	2 500	22.6	<0.1
Desmodur® CQ ultra N 7400	PDI/HDI based	25	100	1 900	23.0	<0.1
Desmodur® CQ ultra N 7500	PDI based	68-70	100	1 700	18.5	<0.1
Desmodur® CQ ultra N 7600	PDI based	68-70	100	3 000	19.6	<0.1



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¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

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