Looking for sustainable well-being in a car interior.

Bayhydrol® CQ

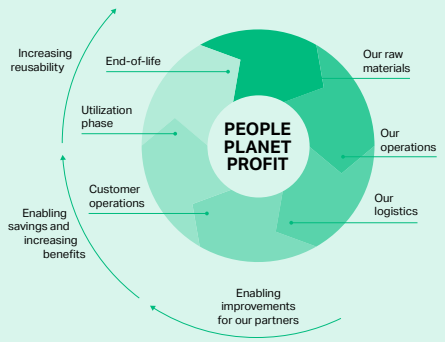
covestro

Bayhydrol® CQ UH 2884

High performance enabled by nature: New bio-based polyurethane dispersion for soft-touch automotive coatings

Sustainability – lifecycle thinking

Covestro pursues a holistic approach and views value creation cycles in their entirety – with sustainability in mind at all times.



Main characteristics	
Viscosity at 23°C	≤ 1,200 mPa · s
pH-Value	7.5 ± 1
Non-volatile content	50 ± 2
Renewable content* (% solid)	49 ± 3

* Calculated minimum content of carbon derived from bio-based raw material like fat and fatty acids. Confirmed by ^{14}C measurements according to ASTM D 6866:2008.

Sustainability is increasingly impacting the product and raw material purchasing decisions of paint makers, automotive OEMs and consumers. With biomass being already the raw material basis for around 10% of all chemical products, new technologies, cooperative agreements and product developments will enable the automotive industry to move forward to use more products based on renewable resources.

Covestro has developed a technology to increase the content of renewable resources to 49% in polyurethane dispersions (PUDs) for two-component hydro soft-touch coatings.

In combination with the bio-based hardeners **Desmodur® CQ N** and **Bayhydur® CQ**, soft-touch coatings with a content of up to 30% renewable carbon content in the binder can be formulated without sacrificing performance. **Bayhydrol® CQ** is compatible with the existing Covestro toolbox of OH-functional and non-functional polyurethane dispersions for hydro soft-touch coatings.

Key benefit of Bayhydrol® CQ UH 2884:

- 49% renewable carbon content derived from non-fossilbased inputs

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