

Greta®Fenster_dinkel

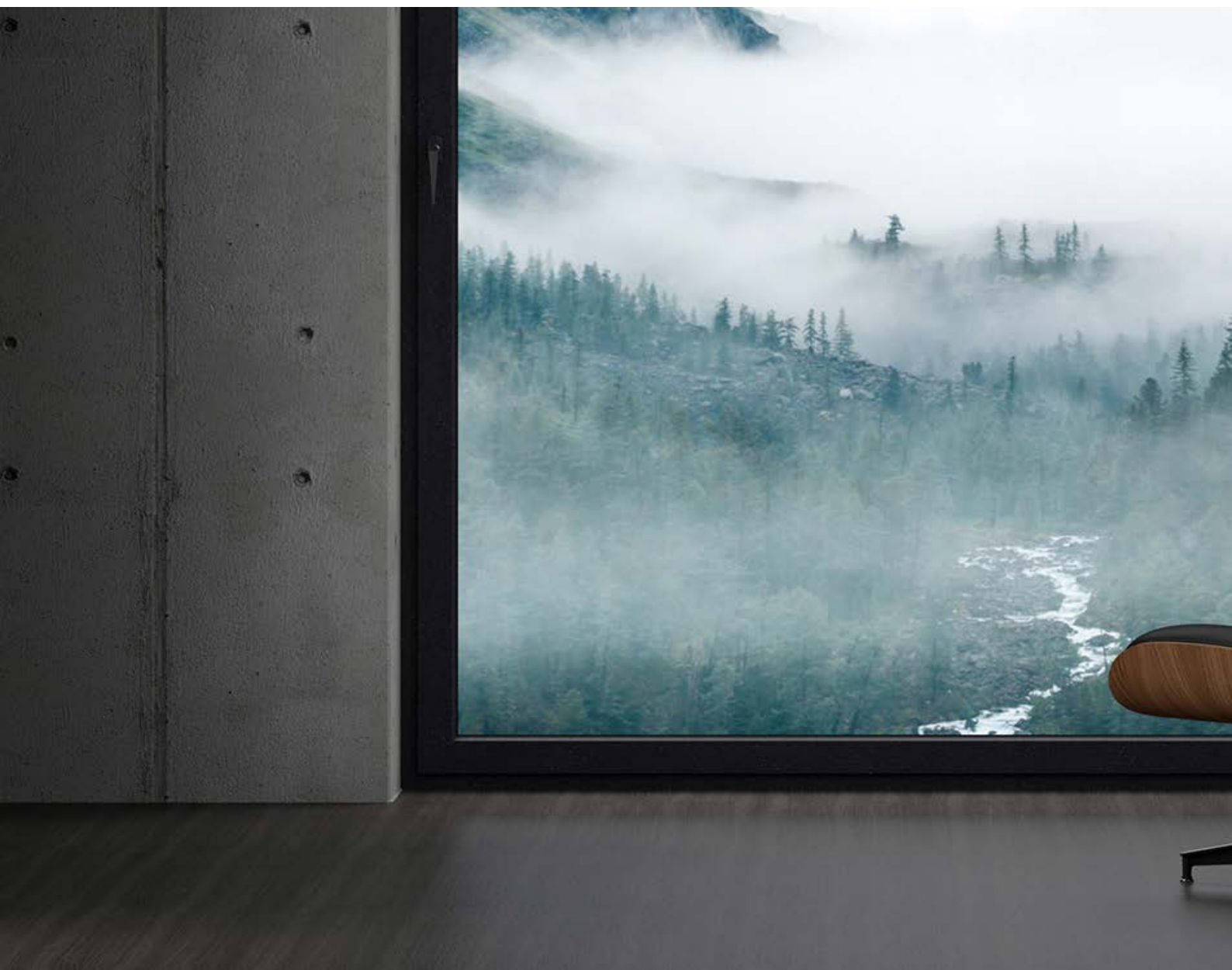
The monolithic window with spelt husks



The organic-hybrid window with 10% spelt husk

Aesthetics and function

Greta@Fenster_dinkel is an innovative window made from an innovative bio-hybrid material containing shredded spelt husks. This results in a monolithic material, a vibrant surface, and a wood-like feel.





Benefits of spelt husks in windows

In Greta®Fenster_dinkel, approximately 10% natural spelt husk is incorporated into the material. This makes it the first hybrid surface of its kind in window construction.

- In this window material, spelt husks create a unique, vibrant surface.
- It not only looks good, but also feels good.
- The material completely covers the surface of the sash and frame. It extends all the way into the rebate.
- Spelt replaces plastic material. This conserves resources.
- The spelt husks incorporated into the surface reduce CO2 emissions by up to 20%.
- The spelt husks not only make our windows sustainable but also improve their technical features.
- Length expansion decreases by 25% with temperature change.
- Shrinkage is reduced by 15% when heated.

Color Development

Our Greta®Fenster_dinkel material is an innovative composite material that contains organic material.

Like other natural and mineral materials, it is subject to color maturation due to weathering and UV radiation from the sun. This color maturation is purely aesthetic and has no effect on the material's functionality, such as structural integrity or water resistance.

Care Instructions

Regular cleaning minimizes deposits and soiling. We therefore recommend cleaning Greta®Fenster_dinkel twice a year.



Data and Specifications

Greta®Fenster_dinkel in the gE_free variant

- Uf value: 1.1 W/(m²K)
- U value min. 0.74 W/(m²K)
- Wind load resistance C5/B5
- Driving rain resistance 9A
- Air permeability Class 4
- Glazing options: up to 48 mm / triple glazing

Greta®Fenster_dinkel in the bE_flex variant

- Uf value: 1.0 W/(m²K)
- U value min. 0.73 W/(m²K)
- Wind load resistance C5/B5
- Driving rain resistance 9A
- Air permeability Class 4
- Glazing options: up to 52 mm / triple glazing



Material sample



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