

Absorbent surfaces

Nanotechnology protection for textiles and other porous materials.

Ceracoat coating for absorbent surfaces is designed to protect suitable fibres and porous materials against water, oil, dirt and stains. The transparent treatment is intended to retain the appearance, colour, feel and breathability of the substrate.

Typical applications

- Clothing and household textiles
- Upholstery, cushions, carpets and curtains
- Suitable suede and leather
- Paper, cardboard and natural wood

Properties described in Ceracoat literature

- Hydrophobic and oleophobic properties: water and oil repellency
- Reduced adhesion of dirt and easier cleaning
- UV stability and resistance to abrasion and washing agents
- A thin, visually unobtrusive coating, with a stated thickness of approximately 100-150 nm
- Formulation described as free from silicone, wax and oil

Earlier technical literature describes washing resistance averaging 45 cycles. Actual durability depends on the substrate, preparation, application, washing method and exposure.

Application & handling

Absorbent-surface coating

Parameter	Guidance
Manual application	Apply by spraying or dipping to wet the material evenly.
Industrial application	Apply using a suitable standard HVLP system.
Curing	Allow 24 hours for full networking and hardening before assessing the easy-clean effect.
Consumption	Approximately 10-80 ml/m ² , depending on substrate absorbency. The source gives a planning allowance of approximately 10 ml/m ² per millimetre of material thickness.
Storage life	At least 2 years in unopened original containers, according to the source literature.
Storage / transport	Recommended temperature: +3 to +30 °C.

Durability

The coating is intended to bond to the fibres and resist washing and abrasion. UV stability supports outdoor use. Durability is affected by external wear and the condition of the treated surface.

Compatibility

Select the correct formulation and verify suitability on a small, inconspicuous area before full application. For specialist textiles or industrial substrates, contact Ceracoat for application guidance.

Product guidance

These products are ready to use. Do not mix them with other substances or batches. Select the formulation for the substrate and follow the current product-specific instructions. Information reflects Ceracoat technical literature and may change as products develop. Product quality is subject to the applicable conditions of sale.