

789 Rapid Tex / 8689 Dura Tex

Textile coatings **789** and **8689** are innovative, water-based coatings for almost all types of textile materials, such as cotton, blended fabrics, microfibres, Alcantara or suede. Both products create an ultra-thin, invisible protective layer that helps prevent liquids and dirt from penetrating the fibres and makes cleaning considerably easier.

The products differ in their dilution ratios: **789** is based on a 1:19 dilution of C4 concentrate 9685, while **8689** is based on a 1:9 dilution. This makes 8689 particularly durable and long-lasting. Both products preserve the breathability of treated textiles, are odourless after drying and are suitable for professional and private use.

Application Areas

- Cotton
- Blended fabrics
- Microfibre
- Alcantara
- Suede
- Clothing
- Home textiles (upholstery, furniture, carpets)
- Paper, cardboard

PROPERTIES

- Water and oil repellent
- Stain protection against coffee, tea, wine, cola, milk, etc.
- Breathability is largely maintained
- UV-resistant and low-yellowing. The actual duration of protection depends on the material, exposure conditions and maintenance.
- Strong anti-stick properties
- Excellent easy-to-clean effect for dirt and liquids
- Fibre protection against the penetration of dirt particles
- Food-safe (inert)
- Highly abrasion-resistant
- Temperature resistant
- Easy to apply (do-it-yourself)
- No significant impact on the appearance or feel of the treated materials.

PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Property	Value
Base	Water-based hybrid formulation (SiO ₂)
VOC content	Active ingredient content: approx. 5–10% (789), approx. 10–20% (8689)
Flash point	Not applicable (aqueous, non-flammable)
Layer thickness	<100 nm (ultra-thin)
Density	Approx. 1.0 g/cm ³
PH value	4-5
Odor	Slightly alcoholic (disappears upon drying)
Colour	Colourless
Consumption	25–120 ml/m ² (approx. 8–40 m ² /litre, depending on fabric)
Temperature resistance	-30 to +200 °C
Shelf life (liquid)	12 months (unopened, stored appropriately)
Storage	5–25 °C, protect from light and frost
Durability of coating	The duration of protection depends on the textile type, exposure and maintenance. Minimum durability: 3 months (789) and 6 months (8689), depending on use and care.

PFAS INFORMATION

789 Rapid Tex and **8689 Dura Tex** are based on fluorinated C4 technology and contain PFAS. Both products are free from PFOA and PFOS.

APPLICATION & PROCESSING

- If necessary, pre-wash textiles and allow to dry completely
- Apply by spraying, rolling or dipping
- Apply the coating evenly to ensure sufficient fibre coverage. Avoid excessive saturation of the material.
- Allow to air dry for at least 24 hours
- Heat treatment (e.g. ironing or tunnel drying) may improve the protective performance.
- Application temperature: 10–30 °C and <70% humidity
- Clean tools with water immediately after use

Detailed Application Instructions:

- For long-lasting performance, all surfaces must be clean and free of coatings such as conditioners or silicones. Test for colourfastness on a hidden area.
- Spray the surface lightly with the coating from a distance of approx. 25 cm.

- Ensure the fabric is evenly and fully moistened but not soaked.
(2–3 sprays “wet-on-wet” are usually sufficient for medium fabrics such as a tie or blouse. Thicker fabrics typically require more.)
- The coating reaches its full protective performance after 24 hours. Drying may be accelerated by gentle blow-drying or ironing at a temperature suitable for the textile.

QUALITY STANDARDS – TESTS

- ISO 11507 UV resistance >3,500 h
- IMO-ISO smoke & toxicity test passed

PACKAGING UNITS & VARIANTS

- 1,000 ml bottle (789-1 / 8689-1)
- 5,000 ml canister (789-5 / 8689-5)
- 20-litre canister (789-20 / 8689-20)

SAFETY & TRANSPORT

- Not classified as hazardous material according to ADR/RID/IMDG/IATA
- No labelling requirement according to CLP
- Personal protective equipment recommended during application

HS Code 3809 9100