

689 Rapid Tex / 7689 Dura Tex

PRODUCT DESCRIPTION

Textile coatings **689** and **7689** are innovative, water-based coatings for almost all types of textile materials, such as cotton, blends, microfibres, Alcantara or suede. Both products create an ultra-thin, invisible protective layer that prevents the penetration of liquids and dirt and significantly facilitates surface cleaning.

The products differ in dilution ratio: **689** is based on a 1:19 dilution of concentrate 7685, **7689** is based on a 1:9 dilution. This makes **7689** particularly durable and long-lasting. Both products are breathable, odourless after drying and 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 (contact angle water >130°, oil >110°)
- Stain protection against coffee, tea, wine, cola, milk, etc.
- No impact on breathability
- UV-resistant, non-yellowing (UV stability ensures a functional lifespan over many years, approx. the lifetime of the coated surface; no slow degradation by sunlight)
- Strong anti-stick properties
- Excellent easy-to-clean effect for dirt and liquids
- Fibre protection against the penetration of dirt particles
- Food-safe (inert)
- Permanent, highly abrasion-resistant
- Temperature resistant
- Easy to apply (do-it-yourself)
- No impact on the visual appearance or feel of the substrates (layer thickness: 100–150 nm) / breathable

PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Property	Value
Base	Water-based hybrid formulation (SiO ₂)
VOC content	< 5 %
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 on 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	3 months (689) and 6 months (7689) up to several years (depending on use and maintenance)

PFAS INFORMATION

689/7689 contain PFAS, but 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 evenly and ensure full saturation
- Allow to air dry for at least 24 hours
- Heat treatment (e.g. ironing or tunnel dryer) enhances 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 is fully effective after 24 hours, but performance can be accelerated with heat (e.g. low heat blow-drying or ironing until dry).

QUALITY STANDARDS – TESTS

- ISO 11507 UV resistance >3,500 h
- IMO-ISO smoke & toxicity test passed
- Hohenstein Eco Passport Certificate
- CCM oleophobic and stain resistance test

PACKAGING UNITS & VARIANTS

- 1,000 ml bottle (689-1 / 7689-1)
- 5,000 ml canister (689-5 / 7689-5)
- 20-litre canister (689-20 / 7689-20)

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 3209 1000