695 Textile & Suede Coating / 697 Concentrate

695 is a water-based, ready-to-use textile coating prepared from concentrate 697. The organofunctional silane system forms an ultra-thin, transparent protective film on textile fibres and filaments. It helps reduce the penetration of water, oils and everyday stains and facilitates cleaning while largely preserving the breathability of suitable fabrics.

The coating is designed for absorbent, colourfast textile surfaces, including cotton, polyester and polyamide blends, upholstery fabrics, carpets and suitable suede-like materials. Suitability for suede, microfibre and delicate finishes must always be confirmed by a preliminary test.

PROPERTIES

- Water and oil repellent (hydrophobic and oleophobic)
- Reduces the penetration of water, oils, grease and other liquids
- Stain protection against coffee, tea, wine, cola and food oils
- Excellent easy-to-clean properties
- Reduces the adhesion and penetration of dirt particles
- Ultra-thin, transparent protective layer on individual fibres
- Breathability is largely maintained
- No significant impact on the appearance or feel of treated textiles
- Colourless and virtually odourless once dry
- Water-based, VOC-free formulation (695 ready-to-use)
- Easy application by spraying, dipping or rolling
- Room-temperature curing within 12–24 hours
- Good resistance to diluted cleaning agents
- No added nanoparticles
- The durability of the protective effect depends on mechanical abrasion, exposure conditions and maintenance.

Application Areas

Upholstery and furniture fabrics · Carpets and rugs · Home textiles · Cotton, polyester and polyamide fabrics · Synthetic and blended fabrics · Selected suede and suede-like materials (subject to compatibility testing).

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PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Property	695 – Ready-to-use	697 – Concentrate
Chemical base	Water-based organofunctional silane system	Water-based organofunctional silane concentrate
VOC content	0% (VOC-free)	0% (VOC-free)
Appearance	Colourless to slightly yellowish	Not confirmed separately for concentrate
Density	Approx. 1.00 g/cm³	Not confirmed separately for concentrate
Flash point	>100 °C	Not confirmed separately for concentrate
Odour	Odourless (typical)	Not confirmed separately for concentrate
Coating thickness	Approx. 20–200 nm	Not specified for concentrate; depends on dilution/application
Consumption	25–200 ml/m² (5–40 m²/L)	Depends on dilution and textile substrate
Dilution	Ready to use	1:9–1:14 (1 part 697 + 9–14 parts water)
Curing	12–24 hours at room temperature	12–24 hours at room temperature after dilution and application.
Application temperature	+5 °C to +50 °C	+5 °C to +50 °C for diluted coating
Liquid shelf life	24 months	Not separately determined
Durability of the coating	up to 2 years (depending on abrasion)	Not separately determined
Storage	+5 °C to +25 °C, Frost-free, protected from light	Not separately determined

PFAS INFORMATION

The **695** and **697** textile and suede coatings combine water- and oil-repellent properties with a low PFAS concentration in the ready-to-use application solution. The 697 concentrate has a documented PFAS content of 6,000 ppb (parts per billion). Product 695 is made from one part 697 and nine parts water, resulting in a calculated PFAS concentration of 600 ppb. Diluting one part 697 with 14 parts water results in a calculated concentration of 400 ppb.

Product / application	Dilution*	PFAS (calculated)
697 – Concentrate	Undiluted	6,000 ppb
695 – Ready to use	1:9	600 ppb
697 – Application solution	1:12	462 ppb
697 – Application solution	1:14	400 ppb

* 1:9 means one part concentrate plus nine parts water; the same convention applies to 1:12 and 1:14.

These values are calculated from the documented PFAS content of the concentrate and are not separate analytical measurements of the diluted products. Regulation (EU) 2024/2462 establishes substance-specific limits for PFHxA, its salts and PFHxA-related substances for certain uses. Compliance with these requirements cannot be established from the total PFAS value alone; appropriate substance-specific evidence is required.

APPLICATION & PROCESSING

Application temperature: +5 °C to +50 °C

When spraying or applying the product intensively, we recommend wearing nitrile or butyl rubber protective gloves (≥0.7 mm) and safety goggles.
In case of contact with skin or eyes, rinse thoroughly with water and seek medical advice if necessary.

Note: Note: Heavy or highly absorbent textiles, such as carpets, generally require more product than lightweight fabrics.

- Ensure the textile is clean, dry and free of residues such as detergents, fabric conditioners and silicone finishes.
- Test colourfastness, shade change, texture and compatibility on an inconspicuous area before treating the entire surface.
- Shake the product well before use. Apply evenly by fine-mist spraying, rolling or dipping. Ensure that the textile fibres are thoroughly and uniformly moistened without oversaturating the material. If necessary, distribute excess liquid with a microfibre cloth.
- Allow the treated textile to dry and cure for 12–24 hours at room temperature before use. Drying may be accelerated by controlled heating at temperatures suitable for the textile, up to a maximum of 100 °C. Avoid exposure to moisture and excessive handling during curing.

IMPORTANT: Application on white, light-coloured or particularly sensitive textiles is not recommended without prior compatibility testing, as yellowing or visible colour changes may occur.

CLEANING & MAINTENANCE

Treated textiles can be cleaned with mild cleaning products, such as CCM Bio Cleaner Biosativa®. Aggressive chemical cleaners should be avoided, as they may reduce the protective effect. Regular, gentle cleaning helps maintain coating performance. Spilled liquids and other contaminants should ideally be removed within 2–3 minutes to minimise the risk of staining.

PACKAGING UNITS & VARIANTS

- 1 L bottle (695-1 / 697-1)
- 5 L container (695-5 / 697-5)
- 20 L container (695-20 / 697-20)
- 200 L drum (695-200 / 697-200)
- 1000 L IBC (695-1000 / 697-1000)

STORAGE

Store in a dry, well-ventilated area, protected from direct sunlight and frost. Keep containers tightly closed and upright. Do not empty containers under pressure.

SAFETY & TRANSPORT

695 is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP) and does not require hazard labelling. According to the available safety data sheet, it is not classified as dangerous goods under ADR, IMDG or IATA transport regulations. The formulation is water-based and specified as VOC-free.

Do not allow the product to enter waterways or drainage systems. Dispose of residues in accordance with applicable local regulations. According to the available product information, 695 is non-flammable and is not classified as a hazardous mixture under CLP.