

# 695 UNIVERSAL STW, PFAS-free

## Premium Coating for Absorbent / Soft Surfaces

### Product Sheet

#### 1. GENERAL PRODUCT DESCRIPTION

**695** is a water-based, room-temperature curing coating for absorbent or soft surfaces such as textiles (e.g. cotton, polyester, PA blends), stone, and wood. It creates an ultra-thin, transparent easy-to-clean layer that significantly reduces the penetration of water, dirt, grease, and other staining agents.

The coating is colorless, odorless, breathable, VOC-free, nanoparticle-free, and protects against organic and inorganic dirt such as coffee, cola, red wine, oil, soot, etc. The hydrophobic and oleophobic effect remains active for up to 2 years depending on wear. Particularly suitable for home textiles, carpets, stone floors, and wooden surfaces.

The protective effect is based on a nanoscale film that evenly deposits on fibers and filaments. The penetration of cooking fats, fuels, used oils, and dry dirt particles is also significantly reduced – making residues easier to remove.

#### 2. PROPERTIES

- Suitable for almost all absorbent surfaces (stone, wood, textiles)
- Easy to apply (DIY-friendly)
- Room-temperature curing (approx. 12 hours)
- Water and oil repellent
- Reduces penetration of grease, dirt, and liquids
- Reduces adhesion of microorganisms
- Excellent chemical resistance (pH 2–12, diluted)
- No nanoparticles
- VOC-free
- not classified as dangerous goods (DG)
- Contains organo-functional silanes
- Colorless, breathable, slightly alkaline (pH ~6)
- Coating thickness: approx. 20–200 nm
- Inorganic

### 3. PRODUCT SPECIFICATIONS AND CHEMICAL PROPERTIES

Property	Value
Base	Water-based silane solution
VOC content	0% (VOC-free)
Flash point	> 100 °C
Coating thickness	approx. 20–200 nm
Density	approx. 1.00 g/cm <sup>3</sup>
Odor	odorless (typical)
Color	colorless to slightly yellowish
Consumption	25-200 ml/m <sup>2</sup> (=5-40 m <sup>2</sup> per litre)
Shelf life of the liquid	24 months
Storage	+5 °C to +25 °C (frost-free & light-protected)
Durability of the coating	up to 2 years (depending on abrasion)

### 4. PFAS INFORMATION

**695** is produced with a mixing ratio of 1 : 9 from concentrate 697.  
The undiluted concentrate 697 contains 6000 ppb PFAS.

Calculation for the 1:9 mixture:  $6000 \text{ ppb} \div 10 = 600 \text{ ppb}$  =  
PFAS content in ready-to-use solution 695

The PFAS concentration of the ready-to-use solution is therefore well below the limit value of 1000 ppb, which is specified in EU Regulation 2024/2462 for PFHxA-related substances. The product in ready-to-use form therefore fulfils the requirements of this regulation

### 5. APPLICATION & PROCESSING

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

Only use on colorfast materials - test on an inconspicuous area beforehand (slight yellowing may occur on white textiles. For white fabrics we recommend alternatively our product 691-1).  
When spraying or using the product intensively, we recommend wearing nitrile or butyl protective gloves (≥0.7 mm) and safety goggles are recommended when spraying or using intensively.  
In case of contact with skin or eyes, rinse thoroughly with water and seek medical advice if necessary.

Note: Heavy fabrics such as carpets require more product than fine fabrics such as silk.

- Shake container well
- Apply the product evenly using a spray bottle, dipping or rolling method
- For textiles, ensure complete but not overly wet application
- Spread excess liquid with a microfibre cloth
- Allow the surface to dry for 12-24 hours at room temperature (shorter in heat up to max. 100 °C)

**Acts as a temporary protective film - soiling should be removed within 2-3 minutes to avoid staining.**



## 6. CLEANING AND MAINTENANCE

The surface can be cleaned with mild cleaners (e.g. CCM Bio Cleaner Biosativa®).

Aggressive chemical cleaners are unnecessary. Regular cleaning extends performance.

Acts as a temporary protective film – contaminants should be removed within 2–3 minutes to avoid staining.

## 7. STORAGE

Store dry, well ventilated and protected from light at 15–30 °C.

Always keep containers tightly closed and upright.

Do not empty under pressure.

## 8. PACKAGING UNITS & VARIANTS

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

**Concentrate version (697) available separately (dilution ratio 1:9 to 1:14)**

## 9. SAFETY & TRANSPORT

**695** is not classified as hazardous.

No CLP labeling required.

Not classified as dangerous goods according to ADR/IMDG/IATA. VOC-free, water-based.

Do not allow product to enter waterways or sewers. Dispose of residues in accordance with local regulations.

The product is non-flammable and contains no hazardous substances under CLP.