

## GRADASEAL TRANSPUR 606

**Aliphatic Polyurethane-Based, Single Component, Transparent, UV Resistant Waterproofing Material**

**Product Technical Document**  
**Issue: 20.10.2014**  
**Revised:**

### Product Definition

GRADASEAL TRANSPUR 606 is a single-component, transparent, polyurethane-based, highly UV resistant, liquid waterproofing material. Cured with moisture in the air. Forms a quite elastic and durable film with high UV resistance by perfectly adhering to different surfaces. Shows excellent mechanical and chemical properties, provides high tensile, tear and abrasion resistance. Effective in water vapor transmission. The film breathes and prevents moisture from accumulating on the substrate.

### Areas of Application:

Used for marble, ceramic floor tiles, Verandas and terraces, Wooden surfaces.

### Technical Data

QUALITY (23°C, 50% RH )	VALUE	STANDARD & METHOD
Appearance	Transparent	-
Viscosity	400 ± 100	EN ISO 2555
Density (gr/cm <sup>3</sup> )	0.98 ± 0.05	EN ISO 2811-1
Solid Substance by Volume (V%)	71 ± 1	EN ISO 3251
Application Thickness (mm)	2	-
Touch Drying (hour)	4 - 6	at 23°C - 50% RH
Full Curing (days)	7	at 23°C - 50% RH
Elongation at Break (%)	>300	EN ISO 527 ASTM D 412
Re-coating Period (hour)	8-24	at 23°C - 50% RH
Water Vapor Permeability	0.8 gr/m <sup>2</sup> /hour)	ASTM E96
Service Temperature	-40°C // +80/40°C	-
Application Surface Temperature	10°C // 40°C	-
Application Ambient Temperature	10°C // 40°C	-
Adhesion Resistance (N/mm <sup>2</sup> )	>4	EN 1542 ASTM D 4541
Tearing Resistance (N/mm <sup>2</sup> )	>25	EN ISO 527 ASTM D 412
Surface Hardness (Shore A)	>60	EN ISO 868 ASTM D 2240
ignition Point	50°C	ASTM D93, Closed Container

### Application Information:

#### Surface Preparation:

The application surfaces should be dry and clean. The concrete and mold residues should be mechanically cleaned; oil, grease, fuel and paraffin residues should be cleaned by using chemical solvents. The damaged coatings, unsafe surfaces and cracks should be repaired by using proper products. TRANSPUR 606 application can be made following the undercoating with a proper coating depending on the condition of the surface after repaired. Concrete application surfaces should meet these standards below at least: Hardness: R28 = 15 MPa  
 Temperature: 10 - 35°C Relative humidity: < 80

**Undercoating Selection:** PRIMER SP 200

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**Application:**

Stir the product by using a proper mixer in 300 rev/min for 2-3 minutes before applying it. TRANSPUR 606 is applied as 2 coats by using brush or roll. Do not wait for more than 24 hours between coats. The undercoating surface must be sanded before the new coat applications exceeding 24 hours.

**Warning:**

Before applying TRANSPUR 606, make sure that all humid surfaces in the system (For example: humidity under balcony tiles) are fully dry or use ventilation pipe on the application surface. Do not apply on surfaces maintained with silane, siloxane, silicon or other anti-water substances. Weak adhesion is expected after application. If there is no clear information about the conditions and the history of the surface, an adhesion test is recommended.

**Storage and Shelf Life:** It can be stored for 9 months if it is properly stored in its unpacked, original package in a dry place between +5°C and +25°C. Material in opened buckets should be used immediately.

**Package:** 5 liter buckets

**Consumption:** The consumption of 1-3 coat application can change depending if it is for waterproofing or renovation, and the absorbing capacity of the surface. Dust and pollution-resistant surface coating: ~ 0.2 L/m<sup>2</sup> (1-coat fine application) Waterproofing membrane (closed porous surface & light pedestrian traffic): ~ 0.7 L/m<sup>2</sup> (2-coat application with 0.3 - 0.4 L/m<sup>2</sup> each) Waterproofing membrane (absorptive surface & heavy pedestrian traffic) ~ 1.0 L/m<sup>2</sup> (3-coat application with 0.3 - 0.4 L/m<sup>2</sup> each)

**Safety Measures:**

TRANSPUR 606 contains isocyanate. Contains volatile and inflammable solvent. Do not smoke during the application process, and it is necessary to work in a well-ventilated environments away from bare flame. Do not forget that solvents are heavier than air; therefore it accumulates on the floor. During the application process, the proper work clothes, protective gloves, goggles and mask should be used pursuant to the occupational health rules. The components should not come into contact with skin and eyes due to the irritating effects of the non-cured product. Wash with plenty of water and soap in case of contact. In case of swallowing, immediately see a healthcare professional. For detailed information, please apply to Safety Information Form (MSDS) or get in contact with our technical departments. Keep out of reach of children.