

# Technical Data Sheet (TDS)

**Product Name:** Ultra Seal 2050

**Category:** Water Repellent – Back Treatment for Natural Stone

## 1. Product Description

**Ultra Seal 2050** is a high-performance, transparent water repellent based on **solvent technology**, specifically designed for **backside treatment of marble and granite slabs before installation**. It penetrates deeply into porous surfaces, forming a protective barrier against water and moisture without affecting the bond with cement-based adhesives or mortar.

The product has been **laboratory-tested to withstand negative water pressure up to 5 bar**, making it suitable for use in moisture-prone environments or areas with rising damp.

## 2. Features & Benefits

- Excellent resistance to water and moisture
- **Does not interfere with cementitious adhesion**
- Reduces risks of efflorescence and discoloration
- Fast-drying and easy to apply
- Ideal for factory or on-site use
- Suitable for all types of natural porous stones

## 3. Technical Properties

Property	Value
Appearance	Transparent liquid
Base	Solvent-based
Specific Gravity	0.95 – 1.00 g/cm <sup>3</sup>
Coverage Rate	8 – 12 m <sup>2</sup> /L (depending on surface porosity)
Touch Dry Time	30 – 60 minutes
Full Cure Time	24 hours
Workability Time	Stone can be installed 2 – 4 hours after application
Negative Water Pressure Resistance	Up to 5 bar (laboratory-tested)
Shelf Life	12 – 18 months (when stored in sealed container)

## 4. Application Guidelines

- **Surface Preparation:** Ensure the surface is clean, dry, and free from dust, oil, or contaminants.
- **Application Method:** Apply using a brush, roller, or low-pressure spray in one or two even coats. Avoid puddling.
- **Drying Time:** Allow to dry for 2 – 4 hours before stone installation.
- **Tool Cleaning:** Clean tools immediately after use with an appropriate solvent.

## 5. Storage & Safety

- Store in a cool, dry place away from sunlight and ignition sources
- Contains solvents – use only in well-ventilated areas
- Wear protective gloves, mask, and eyewear during application
- Refer to the **Safety Data Sheet (SDS)** for full safety instructions