



**HYDA CON**  
Innovative chemical solutions

Technical Data Sheet

## HYDASEAL SLR 602

### ABOUT HYDASEAL SLR 602

**HYDASEAL SLR 602** is a nano-technology based impregnating sealer formulated using water as a carrier, specifically developed for protecting highly porous tile, stone, and grout surfaces. Designed for both interior and exterior applications, it deeply penetrates substrates to offer long-lasting protection, making it an ideal solution for preserving both appearance and performance.

With its oleophobic and hydrophobic characteristics, **HYDASEAL SLR 602** effectively resists damage caused by water, oil, and alkali-based stains. It is UV resistant, ensuring surface durability in sun-exposed areas, and offers economical and easy application. It can also be used as a pre-grouting sealer, helping to reduce pigment absorption and grout staining during installation.

**HYDASEAL SLR 602** meets **ASTM C97 / ASTM C97 M-09** standards for water absorption in stone materials.

### SURFACE APPLICATION MATERIALS

- Quarry and Glazed tile
- Marble, Granite and Slate
- Terrazzo
- Ceramic, Porcelain and Saltillo tile
- Limestone and flagstone
- Cement grout

### APPLICATION AREAS

- Residential, commercial, and outdoor tiled areas
- Bathrooms, kitchens, façades, and other wet/dry zones
- Pre-grouting sealer application on stone and tile
- New installations and restoration of old surfaces

### PRODUCT HIGHLIGHTS

- ❖ **NANO TECHNOLOGY BASED** – Penetrates deep into porous surfaces for enhanced and lasting protection.
- ❖ **HYDROPHOBIC & OLEOPHOBIC** – Provides excellent resistance to water, oils, and alkali-based staining.
- ❖ **NON-SLIPPERY & HARDER SURFACES** – Improves durability and surface safety.
- ❖ **UV & WEATHER RESISTANT** – Suitable for long-term use, even in exposed environments.
- ❖ **EASY TO USE & ECONOMICAL** – Simple application process with cost-effective coverage.

## TECHNICAL DETAILS

<b>APPEARANCE</b>	<b>Clear liquid</b>
<b>SPECIFIC GRAVITY</b>	<b>3-3.5</b>
<b>PH</b>	<b>10-12</b>

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION GUIDELINES

**1. CLEAN & STABLE SURFACE**

Ensure the tile or stone surface is clean, free from dust, loose cement particles, and other contaminants. Clean thoroughly with clean water and let the substrate dry completely before applying **HYDASEAL SLR 602**. Do not apply over damp or moist surfaces. Perform a test patch to ensure compatibility.

**2. EVEN & TRUE BASE**

The substrate must be level and free from surface irregularities. Any undulations or rough patches must be rectified prior to application to ensure uniform penetration of the sealer.

**3. NO DAMPENING BEFORE APPLICATION**

Do not apply on wet surfaces. Make sure the substrate is dry and moisture-free. Use clean cloths, brushes, or vacuum to ensure a clean surface

**4. CURING TIME FOR NEWLY INSTALLED SURFACES**

If applied to recently installed tile, stone, or cement grout, ensure the area has cured for a minimum of **24 to 72 hours** before applying HYDASEAL SLR 602 to avoid trapping moisture and to ensure optimal penetration and performance.

**5. EXPANSION JOINTS PRESERVATION**

Avoid applying HYDASEAL SLR 602 over expansion joints or dynamic cracks. Cracking in tile and stone after application may limit sealer performance.

**6. REINFORCEMENT FOR PERFORMANCE**

A site test is recommended especially for high-absorption natural stones to verify color impact and effectiveness

### HOW TO MIX HYDASEAL SLR 602

- **HYDASEAL SLR 602** is a ready-to-use impregnating sealer. Do not mix with water, solvents, or other chemicals.
- Shake the container thoroughly for at least 1 minute before use.
- Apply directly from the original container supplied by the manufacturer.

- Apply a uniform coat using a clean white cloth, paint brush, or roller until the surface appears damp.
- Allow product to dwell for 4–5 minutes, then wipe off the excess before it
- For multiple coats on highly porous substrates, wait 6 to 12 hours between applications.
- For pre-grouting use, apply at least 24 hours before grouting to prevent pigment staining .

## PRO TIPS & PRECAUTIONS

- ✓ Shake container well before use.
- ✓ Do not allow the sealer to dry on the surface—wipe off excess within 4–5 minutes.
- ✓ For highly porous stones, apply a second coat after 6–12 hours.
- ✓ Allow 72 hours air curing for full protection.
- ✓ Avoid application in direct sunlight or on hot surfaces.
- ✓ Always test in a small, hidden area before full use to assess surface compatibility and color changes.
- ✓ Do not polish or apply other surface treatments over the sealer.
- ✓ For cleaning, use only plain water or neutral pH cleaners—avoid acidic cleaners.
- ✓ Store in a cool, dry area between 10°C and 35°C, tightly sealed in original containers.
- ✓ Use gloves. Avoid contact with skin, inhalation, or ingestion. Do not smoke during application

## PRODUCT SPECIFICATIONS & STORAGE GUIDELINES

**AVAILABLE PACKAGING:** 1 Litre

**COLOUR:** Clear Liquid

### SHELF LIFE:

24 months from the date of manufacture when stored in original, tightly sealed containers.

### STORAGE CONDITIONS:

- Store in a cool, dry area (between 10°C–30°C)
- Keep away from heat, direct sunlight, and open flames.
- Ensure the container is tightly sealed after use to prevent contamination or solvent loss.

### COVERAGE DETAILS

25 Sft to 500 Sft per litre depending on the substrate's porosity

## SAFETY & APPLICATION GUIDELINES - HYDASEAL SLR 602

### 1. PERSONAL PROTECTION

- Always wear gloves, safety goggles, and appropriate protective clothing while handling or applying **HYDASEAL SLR 602**.
- Keep out of reach of children. Product is intended for professional use only.

### 2. EMERGENCY PROCEDURES

- **Skin Contact:** Wash thoroughly with clean water and soap.
- **Eye Contact:** Flush eyes with plenty of water for at least 15 minutes and seek medical attention if irritation continues.

### 3. MIXING GUIDELINES

- **HYDASEAL SLR 602** is a ready-to-use product; do not add water, solvents, or any foreign material.
- Shake the container vigorously for one minute before opening.
- Do not mix with other chemicals or sealers.

### 4. SURFACE PREPARATION

- Ensure all surfaces are structurally sound, dry, and free of dust, loose particles, or contaminants.
- Clean the surface using clean water and allow it to fully dry.
- Always perform a small-area test to check compatibility with the tile or stone and obtain approval from project manager or homeowner.
- Surface must be moisture-free and cleaned using a clean cloth, brush, or vacuum cleaner before applying the sealer.

### 5. INSTALLATION & PROTECTION

- Apply **HYDASEAL SLR 602** evenly using a white cloth, roller, or brush until the surface is damp.
- Let the surface sit for 4–5 minutes, then wipe off any excess using a clean white cotton cloth in a circular motion before drying.
- If residue dries on the surface, reapply the sealer and clean again immediately.
- For highly porous stones, multiple coats may be required with a 6–12 hour interval between applications.
- Allow the surface to air cure for 72 hours to achieve full protection.
- For pre-grouting use, apply **HYDASEAL SLR 602** at least 12 hours prior to grouting.

## MAINTENANCE

- **HYDASEAL SLR 602** is a maintenance sealer, and treated surfaces require routine and careful maintenance to retain performance.
- Avoid the use of general-purpose or acidic cleaning chemicals on sealed surfaces.
- Plain soft water is recommended for daily or routine cleaning.
- For periodic maintenance, use a neutral, water-based cleaner that is compatible with impregnating sealers.
- Acidic cleaners are **STRICTLY NOT** recommended, as they may damage the sealed surface or reduce effectiveness.
- For complete maintenance instructions, refer to the official Maintenance Manual.

## PERFORMANCE LIMITATIONS

- Do not use on non-recommended surfaces.

- Protect metal and wooden surfaces to avoid contact with the sealer.
- Excess product should not be allowed to dry on the surface.
- Slight change in surface color may occur depending on mineral composition.
- Product does not protect against acid etching or mechanical wear.
- Cracks or structural changes after application may compromise performance.
- Reapplication may be necessary based on environmental exposure or traffic levels.
- Avoid post-treatment with polishes, cleaners, or other sealers.

**-End of TDS**