



HYDA CON
Innovative chemical solutions

Technical Data Sheet

HYDASEAL SLR 603
STONE SEALER

ABOUT HYDASEAL SLR 603

HYDASEAL SLR 603 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 603** effectively resists damage caused by water-based stains. Surfaces treated with **HYDASEAL SLR 603** are harder, less slippery, and have enhanced weather resistance. It is also UV resistant, ensuring durability in sun-exposed areas, and features low VOC emissions after 72 hours of curing. It can be used as a pre-grouting sealer, helping to prevent pigment absorption and grout staining during installation.

HYDASEAL SLR 603 meets **ASTM C97 / ASTM C97 M-09** standards for water absorption in stone materials.

SURFACE APPLICATION MATERIALS

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

APPLICATION AREAS

- | | |
|---|---|
|  Residential, commercial, and outdoor tiled areas |  Pre-grouting sealer application on stone and tile |
|  Bathrooms, kitchens, façades, and other wet/dry zones |  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** – Increases surface hardness and reduces slipperiness.
- ❖ **UV & WEATHER RESISTANT** Ensures durability and protection in both indoor and outdoor applications.
- ❖ **EASY TO USE & ECONOMICAL** – Simple application process with cost-effective coverage.

TECHNICAL DETAILS

APPEARANCE	Clear liquid
SPECIFIC GRAVITY	0.89
PH	10-12

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 603**. 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. 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 603 to avoid trapping moisture and to ensure optimal penetration and performance.

5. EXPANSION JOINTS PRESERVATION

Avoid applying HYDASEAL SLR 603 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 603

- **HYDASEAL SLR 603** 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, 5 Litres

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 603

1. PERSONAL PROTECTION

- Always wear gloves, safety goggles, and appropriate protective clothing while handling or applying **HYDASEAL SLR 603**.
- 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 603** 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 603** 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 603** at least 12 hours prior to grouting.

MAINTENANCE

- **HYDASEAL SLR 603** 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