



Duram S900

Clear, Non Glossy, Penetrative Sealer
and Waterproofing Liquid

PRODUCT DESCRIPTION

Duram S900 is a clear, high pH, deep penetrating siloxane water resistant solution. Duram S900 penetrates into the tissue of porous substrates and creates a waterproofing barrier below the surface preventing the ingress of water. Duram S900 is an effective water resistant solution and can stop leaks without lifting tiles or changing the overall appearance of the surface.

Duram S900 also solves the problems associated with water penetration such as corrosion of steel reinforcement, friability and binder loss of surfaces, fungal and bacteria attack and degradation due to carbon dioxide permeability.

Duram S900 is capable of withstanding high pH conditions such as found in new concrete and lime-based mortars and bricks. Duram S900 still allows the diffusion of vapours or 'breathing' ability of the substrate.

USAGE/PURPOSE

- Waterproofing external concrete, cement, cement render, face brick, block walls, sandstone, porous pavers and other porous surfaces.
- Prevention or minimization of efflorescence and laitance (white salt spotting or leaching).
- Protection of sandstone.
- General rainwater barrier.
- Assists in preventing mold and fungus growth.
- Anti-graffiti protection (sacrificial coating).

FEATURES & BENEFITS

- Forms a waterproofing barrier without changing the overall appearance of the surface.
- Seals tile beds without lifting tiles.
- Long lasting protection.
- Quick drying.
- Dries clear in a flat (low gloss) finish.
- It can be re-coated.
- Using S900 is a very viable and economical first effort attempt to stop leaks.
- Provides excellent weatherproof barrier to rain and salt spray.
- Provides an anti-graffiti barrier.

PACKAGING

4Lt and 15L Pails.

COLOUR

Clear.

SHELF LIFE

12 months in unopened or undamaged containers.

STORAGE

Store in a cool, dry place. Keep all sources of ignition away from the product. Store in well-sealed metal containers.



LIMITATIONS

- Duram S900 penetrates into the tissue of the substrates and accordingly relies its soundness and stability.
- Duram S900 will not bridge or seal cracks.
- For Duram S900 to work effectively, sufficient product must be absorbed into the surface to fill the voids within the substrate. Highly porous, sandy and friable surface may not contain sufficient density to allow the Duram S900 to create an adequate 'build-up' of S900 to form waterproofing barrier. Test area are highly recommended.
- The quantity of S900 needed for a given area is subject to its density, porosity, thickness, soundness and condition which may not be apparent.
- Anti-Graffiti Coating: The surface must be very well saturated so that a layer of the cured coating lays across the surface. Inadequate saturation and coverage will negate or diminish the effectiveness of the product as an anti-graffiti coating.

COVERAGE/YIELD

Coverage rate varies depending upon type, condition, porosity, texture of the surface and application technique. As a general guide the coverage rate for Duram S900 is:

- Ceramic tiled areas: 6m² per Lt - concentrated on the grout lines.
- Terracotta tiled areas: 3m² per Lt per coat.
- Face brick: 4m² per Lt per coat.
- Highly porous areas: 2m² to 3m² per Lt per coat.
- Anti-Graffiti Coating: 2m² to 3m² per Lt per coat.

SUITABLE SURFACES

- Concrete
- Cement
- Cement Render
- Block Work
- Face Bricks
- Porous Pavers
- Grout (Tiled Areas)
- Sand and Cement Tile Beds
- Sandstone
- Terracotta Pavers
- Other Porous Surfaces

CAUTION: Sealed surfaces may be slippery when wet.



SURFACE PREPARATION

- ❑ Good preparation is essential.
- ❑ Surfaces must be sound, stable, dry, clean, and free of dust, loose, flaking, friable material and substances that may diminish adhesion.
- ❑ Cracks must be repaired. If mortar is suitable then use a non-shrink mortar. If flexibility is required to repair the crack, this should be done after the application of Duram S900 as the solvent may pit or slightly dissolve the sealant.

Please Note:

- ❑ Loose grout must be removed and then replaced with sound grouting and allowed to dry.
- ❑ Ensure surfaces are clean, free of other coatings such as paints and sealers and the substrate is dry.
- ❑ Efflorescence and laitance should be removed by wire brush and then washed and allowed to dry.
- ❑ Test areas are important as, although rare, latent salts or other chemicals may cause some discolouration.

APPLICATION

- ❑ Duram S900 can be applied by brush, roller, spray or poured.
- ❑ It is essential that the substrate be well saturated, i.e. wet soaked.
- ❑ For best result, apply a soaking coat of S900 and allow product to be absorbed. Immediately thereafter, while still wet, apply a second soaking application and allow the product to be absorbed.
- ❑ This process can be repeated several times to ensure that sufficient product has been absorbed. The product should be, in the first instance, applied wet on wet. Then allow the product to dry for 24 hours and apply a final soaking coat
- ❑ If the product is to be used as an anti-graffiti protection coat, follow the above procedure but ensure sufficient product is used to give a film across the surface.

CURING

Drying and curing of the product is determined by type, dryness, porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique (Therefore drying and curing can only be given as a guide). At 25°C & 50% RH (per coat):

- ❑ Touch Dry: 2 - 4 hours
- ❑ Set: 4 - 6 hours
- ❑ Full Cure: 12 - 24 hours
- ❑ Service Temperature: 0°C to 50°C
- ❑ Application Temperature: 5°C to 30°C

CLEAN UP

Duram Solvent or Tremco Xylol.

TILING, TOPPING OR TOP COATING

Not recommended as product is usually left exposed. If area is to be tiled or topped, then we would recommend the use of Duram's conventional waterproofing membranes.

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement. The applicator or contractor must use their skill, knowledge, and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the company in writing.

HEALTH & SAFETY PRECAUTIONS

Sealed surfaces may be slippery when wet. The use of Solvent resistant gloves, mask and eye protection is recommended. It is a class 3 dangerous goods must be declared prior to the transportation of the product. Product is flammable. Keep all ignition sources away. The Safety Data Sheet (SDS) must be read and understood prior to use.

CONDITIONS OF USE AND DISCLAIMER

The information contained in this TDS is given in good faith based upon our current knowledge and does not imply warranty, express or implied. The information is provided and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workmanlike manner in accordance with the instructions of the TDS in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.

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