



# Duram S900

Clear, Non Glossy, Penetrative Sealer

## 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 weatherproof barrier below the surface preventing the ingress of water whilst still allowing vapour diffusion and improves the physical properties of the host substrate.

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

- ☐ Weatherproofing external concrete, cement render, face brick, block walls, sandstone, porous pavers and other porous surfaces.
- ☐ Prevention or minimization of efflorescence.
- ☐ Assists in preventing mold and fungus growth.

## FEATURES & BENEFITS

- ☐ Forms a weatherproof barrier without changing the overall appearance of the surface.
- ☐ Long lasting protection.
- ☐ Quick drying.
- ☐ Dries to a clear finish, to maintain the original aesthetic of the substrate.
- ☐ Provides excellent weatherproof barrier to rain and salt spray.

## PACKAGING

15L Pail.

## COLOUR

Clear.

## SHELF LIFE

12 months when stored as recommended in original unopened packaging.

## STORAGE

Store in a dry cool place in an upright position in original unopened packaging.

## 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.



## COVERAGE/YIELD

The quantity of S900 needed for a given area is subject to its density, porosity, thickness, soundness and condition which may not be apparent. As a general guide the coverage rate for Duram S900 is:

Application Type	Coverage Rate
Ceramic tiled areas	6m <sup>2</sup> /L - concentrated on the grout lines
Terracotta tiled areas	3m <sup>2</sup> /L per coat
Face brick	4m <sup>2</sup> /L per coat
Highly porous areas	2m <sup>2</sup> - 3m <sup>2</sup> /L per coat

## SUITABLE SURFACES

- ☐ Concrete
- ☐ Cement Render
- ☐ Block Work
- ☐ Face Bricks
- ☐ Porous Pavers
- ☐ 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:

- ☐ 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 with Duram S900 to ensure optimum performance.
- ❑ For best results, apply a soaking coat of S900 and allow product to be absorbed. Immediately thereafter, while still wet, apply additional soaking coats and allow the product to be absorbed.
- ❑ This process can be repeated several times to ensure that sufficient product has been absorbed. To ensure best results, additional coats should be applied wet on wet. However, if required, additional coats may be applied after product has cured.

## 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):

Curing Phase	Anticipated Cure Time (25°C at 50% RH)
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.

## 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 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. 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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