



Arina Polymer

Arina-water repellent

Silane siloxane penetrative water repellent protective treatment for concrete and masonry

Introduction:

Arina-water repellent is an optimum concentration of reactive hydrophobic silane-siloxane which provides a protective impregnating treatment. It works by penetrating into the pores of concrete and reacting there with the moisture / water vapour present to form a hydrophobic polysiloxane lining to the capillaries.

Where to use:

Arina-water repellent is Colourless surface applied protection for in situ and precast concrete to prevent ingress of water and water borne salts. Also reducing efflorescence in masonry structures.

Technical information:

Appearance	Transparent milky liquid
Dry film thickness	No film forming
Specific gravity	1.00 kg/l
Over coating time	Wet-on-Wet
Application temperature	Above +5 °C

Advantages:

- Prevent ingress of water borne chlorides and sulphates.
- Water vapor permeability unaffected; allows concrete to breathe.
- Excellent penetrative / reactive action.
- Integral protection, cannot peel off or erode.
- Protects surfaces from discolouration and pollution.
- Excellent water repellent characteristics.
- Easy to use, cost effective.
- Simple spray application.
- Single component, no mixing.
- No change in surface texture or appearance.
- Compatible with water surface coatings.
- Permanent treatment.

Surface preparation:

All surfaces to be treated should be fully cured, dry and free from laitance, remove all mould oils or curing membranes. All oils, greases, previous coatings and laitance should be removed, preferably by dry grit or sand blasting. Surfaces should be dry with no wet spots. Slightly damp substrates can be treated



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Mixing:

Arina-water repellent is supplied as ready to use single component product and needs only stirring before use.

Application method:

Arina-water repellent can be used direct from the container, no mixing is required, but stir before use. Do not dilute with water or solvents. Apply by low pressure spray or brush ensuring complete surface coverage. On vertical surfaces, it should be flooded on starting at the top part. When used as a protective impregnation a minimum of two applications is recommended "wet-on-wet" with immediate application.

Note:

Since the product reacts with atmospheric humidity, prolonged contact with air should be avoided. Keep containers sealed when not in use.

Coverage:

Coverage will depend upon the porosity of the substrate. Optimum coverage is 3-6m²/litre/coat.

Curing:

No curing is required. Let applied materials to get fully dry (at least 7 days) before carrying any test.

Cleaning:

Application tools and equipment should be washed with water after completion of each job or at break time.

Storage / Shelf life:

Store out of direct sunlight in closed area. The shelf life for originally unopened package is 6 months from date of production.

Packaging:

Arina-water repellent is available in 20 Kg. containers.

Safety precautions:

Arina-water repellent is not poisonous or dangerous, but like all chemical materials use personal safety devices such as gloves and goggles. If contacted with eyes or mucous membrane, wash immediately with plenty of water and seek medical attention.