



## WATERPROOF, CEMENT-BASE COATING FOR EXTERIOR UNDERGROUND CONCRETE AND MASONRY

### Description

**MAXSEAL FOUNDATION** is a construction grade cement based product which, together with special additives and selected aggregates gives it waterproofing characteristics, whether the foundations are in concrete or masonry. It gives great protection to foundation concrete thanks to its high resistance to aggressive waters

### Uses

- Waterproofing of retaining walls, car parks, basements, elevator pits, tanks and dams.

### Advantages

- Good adherence, it becomes incorporated to the support where it is applied, it fills and seals pores.
- It can be applied on wet surfaces not needing these to be dried.
- Lesser cost than any other traditional system.
- Large duration and superior to any others asphalt product.
- Unaffected by soil salts. In a positive application.
- Easy to apply with tampico type brush, obtaining large yields at its application.

### Application instructions

Concrete and masonry foundation walls

Remove all oils and remnants from surface, as well as blooms or plaster.

At the joining area between vertical wall and foundation slab, make a 2x3 cm. slot, refill it with **MAXREST** or **MAXPLUG**.

If aggregate nests are present in concrete, patch them with **MAXREST**.

Concrete scaffolding wires or passing rods must be cut and a superficial patch of minimum 1 cm. deep must be made.

Dampen surface with clean water and apply a first **MAXSEAL FOUNDATION** layer with a 1,5 Kg / m<sup>2</sup> load. After 8-hours curing, a second layer must be applied with a 1 Kg / m<sup>2</sup> load.

**IT IS THE RESPONSIBILITY** of the applicator to determine whether a structure contains any form of **efflorescence** **PRIOR TO APPLICATION** . Any traces of efflorescence in negative waterproofing should be high pressure water blasted and **SILOXANE CLEAR** introduced with two coats of **MAXSEAL FLEX**.

### Concrete and masonry foundation walls subject to great pressures and water aggressiveness.

Under these conditions, second layer must be applied with trowel.

A first **MAXSEAL FOUNDATION** layer with a 1,5 Kg / m<sup>2</sup> load must be applied.

Once this first layer is set, apply a second layer with trowel with material enough to level the surface, approx. 7 Kg / m<sup>2</sup>. This second layer is prepared adding to each 25 Kgs. **MAXSEAL FOUNDATION** bag, 12 Kgs. of siliceous sand.

To obtain a good **MAXSEAL FOUNDATION** adherence at the concrete or masonry wall, we recommend that the surface requires to be a medium to high porosity substrate. If not **MAXSEAL FLEX** should be used for extra surface adhesion.

### Application



Concrete and masonry foundation walls Detach all oils and remnants from surface, as well as blooms or plaster. At the joining area between vertical wall and foundation slab, make a 2x3 cm. slot, refill it with maxrest or maxplug. Maxseal Flex is recommended for all cold joints, subject to future movement. If aggregate nests present in concrete, patch them with maxrest. Concrete scaffolding wires or passing rods must be cut and a superficial patch of minimum 1 cm. width must be made. Dampen surface with clean water and apply a first maxseal foundation layer with a 1,5 Kg / m<sup>2</sup> load. After 8-hours curing, a second layer must be applied with a 1 Kg / m<sup>2</sup> load.

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Note: Any traces of efflorescence in negative waterproofing, should be high pressure water blasted and **SILOXANE CLEAR** introduced with two coats of **MAXSEAL FLEX**

#### Applications tools

**MAXSEAL FOUNDATION** can be applied with brush, **MAXBRUSH** type or tampico fiber brush to facilitate its penetration in pores and hollows. Apply a thick layer to form a continuous and even coating, do not extend as paint and apply it in only one direction. Second layer must be applied crosswise.

After material application, clean brushes with water for further use.

#### Mixing

Pour clear water in a bucket and add **MAXSEAL FOUNDATION** slowly obtaining a thick creamy paste. Let it rest for 10-15 minutes.

Mix with a metallic rod and a mixing disk assembled on a drill at low speed approximately during one minute.

A 25 Kgs. **MAXSEAL FOUNDATION** bag requires 7-7.5 lt. of water.

#### Application temperature

At summertime temperatures, wet the surface with abundant water .

If a fast drying is observed, water can be sprayed 2 hours after the product application.

In winter time do not apply at temperatures below 5° C or if lower temperatures are expected within the next 24 hours after the application.

It must not be applied on frozen or icy surfaces. Optimal working temperature is between 15 to 28° C.

Avoid application when rainfall is expected within the next 4-6 hours further to application.

#### Laboratory tests

Waterproofing and mechanical resistance.

Tests carried out at Instituto Eduardo Torroja, available upon request.

### Packaging

**MAXSEAL FOUNDATION** delivered in 25 Kg., bags and drums, also supplied in 14 kg handipak.

### Storage

One year in its original unopened container in a dry covered place, protected from frost.

### Caution

As all cement products **MAXSEAL FOUNDATION** is an abrasive compound. It is not toxic but care should be taken while mixing and applying it, not to let it come into contact with the hands. Rubber gloves should be worn for protection. If it splashes in the eyes, rinse well with clean water; do not rub. If irritation persists, consult a doctor.

### Guarantee

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.

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