



MAXSEAL[®] FOUNDATION

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

DESCRIPTION

MAXSEAL FOUNDATION is a cement based product which, with special additives and selected aggregates to provide total waterproofing protection to concrete, bricks and blocks due to its high resistance to aggressive waters. Will seal against positive and negative water pressure.

USES:

Waterproofing of retaining walls, car parks, basements, elevator pits, below grade ingress of water in foundations. It can also be used as waterproofing layer or barrier against humidity by capillarity on a variety of mortar substrates.

Advantages:

- Good adhesion, it becomes part of the substrate, fills and seals all pores, missing mortar lines etc.
 - **Must be applied to wet surfaces**
 - Can be sprayed by airless sprayer (3 to 5mm tip)
 - Can be rendered or painted over.
 - NOT affected by salts and acids in soil.
 - Easy to apply with Drizoro brush.
- Will seal against positive and negative water pressure.

APPLICATION INSTRUCTIONS

Surface preparation:

To obtain a good bond to concrete or masonry surfaces, it needs to be a medium to high porosity substrate. If low porosity **MAXSEAL FLEX** should be used.

At the wall/floor junction, cut a 2x3 cm. slot, refill it with **MAXREST** Or **MAXPLUG** or **MAXJOINT ELASTIC**. If honeycombing is present in concrete, patch it with **MAXREST**.

Concrete scaffolding wires or passing rods must be cut and patch with a minimum 1 cm. deep must be made, then patch with MAXREST.

IMPORTANT NOTICE:

Surface preparation: The surface to be coated must be sound, clean, free of traces of paint, loose particles, dust, grease, mould release compounds, gypsum, efflorescence. IT IS THE APPLICATORS RESPONSIBILITY to determine the presence of (salt) **efflorescence** prior to application. Remove efflorescence using SALTRID and apply SEALTIGHT to the affected areas to block salt from penetrating.

IMPORTANT: Maxseal Foundation can only be applied to a wet surface, **NO** other primer or **OTHER** product is required **except** in areas where salt treatment has been carried out. Apply Maxseal Foundation in these areas while surface is still wet with SEALTIGHT.

Concrete and masonry foundation walls subject to extreme pressures and water aggressiveness. please contact office.

Mixing:

Pour clean water in a bucket and add **MAXSEAL FOUNDATION**, ratio approx 3.5kg powder to 1 litre of water mix slowly with electric drill (400-600 rpm) obtaining a thick creamy paste. Let material rest for 5 minutes before application. A 25 Kgs. **MAXSEAL FOUNDATION** bag requires 7-7.5 ltrs. of water.

Application:

Dampen surface with clean water and apply a first **MAXSEAL FOUNDATION** layer with a 1,5 Kg / m² load. After 14 to 24 hours curing, dampen the surface again before applying a second layer and must be applied crosswise with a 1 Kg / m² load (1 to 1.5 mm wet film thickness)

CAUTION:

DO NOT apply in excess of 2 layers.
DO NOT apply to bitumen or polyurethanes.
DO NOT place plastic or core flute protection boards against treated surfaces prior to back filling.
Drainage cell and aggregate can be placed.



Curing:

During curing, water vapour may condense on the Surface in poorly ventilated areas. Place exhaust fan or heat source to eliminate moisture saturated air. Allow surface to cure for 3 days prior to back filling and 7 days prior to filling structure with water.

Applications tools:

MAXSEAL FOUNDATION is applied by brush, **MAXBRUSH** or broom to ensure penetration into pores and hollows. Apply at a thickness of approx. 1 mm to form a continuous and even coating, do not extend as paint and apply only in one direction. Second layer must be applied crosswise. After material application, clean brushes with water for further use.

Application temperature:

At summertime temperatures, wet the surface with abundant water to cool surface. If fast drying is observed, water can be mist 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.

Packaging:

25 Ka.. baas and 14 ka handiack.



Storage:

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

Laboratory tests:

Waterproofing and mechanical resistance.

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

***Efflorescence Specification Technical Bulletin is available from**

www.scientificwaterproofingproducts.com.au

Download and familiarise yourself with this recommended procedure.

Caution:

As all cement products **MAXSEAL FOUNDATION** is an abrasive compound. It is not toxic but care should be taken while mixing and applying, do 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 supersedes the previous bulletin.

© DRIZORO S.A. All rights reserved.

© Scientific Waterproofing Products Pty Ltd. ABN: 155 659 948 All rights reserved.

Address: Unit 4/92 Bryant Street Padstow, NSW 2211, AUSTRALIA

Tel: +61 2 9771 0011 Fax: +61 2 9771 0111

Email: info@scientificwaterproofingproducts.com.au

National Hotline: 1300 303 301 National Fax: 1300 369 932

<http://scientificwaterproofingproducts.com.au/>



DRIZORO Construction Products:

