# Belzona 5122

## (CLEAR CLADDING CONCENTRATE)

BELZONA®
Repair • Protect • Improve

# INSTRUCTIONS FOR USE

## 1. SURFACE PREPARATION

All surfaces to be treated with **Belzona® 5122** should be thoroughly cleaned to remove dirt, salt, efflorescence or any other foreign matter. Salt contamination in coastal environments, or severe efflorescence, may result in blocking of the pore structure of the masonry and, as a consequence, difficulty in effecting efficient impregnation. In such situations repeated water jetting will be required until there is no sign of salt contamination on the surface after drying.

It is important that surfaces to be treated should be made good before work is started. Rake out and re-point defective mortar joints and fill all holes and voids. Hairline cracks are acceptable, but cracks over 0.3 mm should be opened up and filled. Damaged expansion joints and faulty junctions between windows, doors, walls and the roof should be renewed.

If fungicidal agents are being used to kill or remove mould growth, use these in accordance with the manufacturer's instructions, and allow the surface to dry completely before application of **Belzona® 5122.**

**Belzona® 5122** should be applied to a dry or slightly damp surface but never to a wet surface as penetration will be impaired.

## 2. MIXING

**Belzona® 5122** is supplied in concentrated form and must be diluted prior to application. Mix one litre of **Belzona® 5122** with nine litres of clean tap water in a plastic bucket before proceeding to Section 3. Stir well to ensure that the material is completely dispersed. Smaller volumes can be mixed if required **but the can should be IMMEDIATELY resealed after use.**

**NOTES:**

1. The diluted material MUST be used within 24 hours.
2. In particularly exposed situations where there is a likelihood of wind-driven rain at high velocity or, in situations where rain is likely to be running down an inclined surface, the dilution factor should be reduced down to 7 litres of water to 1 litre of concentrate.

## 3. APPLICATION

**Belzona® 5122** must be applied to the lowest section of the prepared surface first, working towards the highest area. Liberally apply by either a long bristled brush or low pressure spray such that as progress is made working up the wall, material should be allowed to run down and penetrate into the previously coated section underneath. Coverage rates will be dependent on the porosity and type of substrate, but typical values are given in Section 5.

Care must be taken to avoid splashes, overspray or runs onto surfaces which are not to be treated. When spraying **Belzona® 5122,** ensure that parked cars, etc., are not subject to overspray.

Since **Belzona® 5122** dries out to be completely invisible, if there is to be any interruption to the work schedule, due care should be taken to mark the area treated so no misses arise when subsequent continuation of the application commences.

**NOTE:**
**Belzona® 5122** should not be applied when the ambient or substrate temperature is below 41°F (5°C) and there is a risk of freezing.

## 4. DRYING TIMES

Drying times will be dependent on a number of factors such as temperature, humidity, and the porosity and moisture content of the substrate. Under normal conditions, however, the material will dry within 2 hours.

The development of water repellent properties commences immediately after application although it will take up to 24 hours for optimum performance to be achieved.

## 5. COVERAGE RATES

These will be dependent on the porosity of the particular substrate concerned but typical coverages to be aimed for are:-

| Substrate | Coverage rate per litre of diluted product |
|---|---|
| Asbestos cement | 2.6 m² (28.0 sq.ft.) |
| Smooth concrete | 2.6 m² (28.0 sq.ft.) |
| Smooth brick | 2.6 m² (28.0 sq.ft.) |
| Natural stone | 2.1 m² (22.6 sq.ft.) |
| Soft brick | 1.3 m² (14.0 sq.ft.) |
| Rough concrete | 1.3 m² (14.0 sq.ft.) |

## 6. BREATHING CHARACTERISTICS

**Belzona® 5122** renders a surface water-repellent but does not seal it. The passage of air and water vapor is still allowed, therefore, ensuring that moisture is not trapped in the substrate.

## 7. OVERPAINTING

Treated surfaces will remain clean since there is no further water ingress and the growth of moss, mould and algae will be inhibited. Under normal circumstances, therefore, overpainting should not be required but where overpainting is to be carried out, it is recommended that a trial application should be carried out initially to check compatibility. This will be particularly important in the case of water based paints.

## 8. STORAGE

Store in sealed containers between 41°F (5°C) and 86°F (30°C) under dry conditions and away from naked flames or other ignition sources. When the seal has been broken the contents should be used within 3 months. During this period the cap must be replaced after use.

Once diluted the material is non-flammable but care should be taken to ensure that it is not stored below freezing.

**HEALTH & SAFETY INFORMATION**

Please read and make sure you understand the relevant Material Safety Data Sheets.

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