

# TECHNICAL DATA SHEET

20/11/2019

www.protectit.co.uk



# **NEW** SEAL-iT 102

## SUPER-HYDROPHOBIC, VOC Free Surface Treatment



### PRODUCT DESCRIPTION

- High contact angle & water repellence.
- SEAL-iT 102 is a new generation water based fluoropolymer water based impregnation sealer designed to give up to 5 years oil and water repellency to porous wall & ground surfaces.
- Can be used on: GRC, concrete, paving, patios, driveways, walls, plinths, roofs, brick.
- Invisible protection.

### APPLICATION

*Always test apply on a small hidden portion of the substrate before applying.*

- **Substrate Quality:** Cracks must be repaired using a concrete/mortar repair system.
- Moisture content should be = or <5% to a depth of 1cm.
- **Substrate Preparation:** Clean, free from dust, dirt, oil, efflorescence, organic growth and old paint films.
- Pressure washing up to 2500 psi and the use of PROTECTiT Surface Reviver will eradicate residual organic spores.

### APPLICATION INSTRUCTIONS:

- SEAL-iT 102 may be applied using low pressure spray, brush or roller. Ensure application is from bottom to top on vertical surfaces taking care not to let the production run. Any subsequent applications must be applied "wet on wet".
- Re-application: Subsequent applications should ideally be applied before the previous application has dried, however on horizontal surfaces which have been pre sealed before grouting a reapplication can take place after grouting has been cleaned thoroughly.
- A trial area should be completed to calculate the correct coverage rate as the porosity on different materials can differ greatly.
- SEAL-iT 102 cannot be re-applied after curing as there will be a loss of adhesion.

### APPLICATION CONDITIONS/ LIMITATIONS:

- Unable to work if applied over non-absorbent surfaces.
- Substrate Temperature: +5°C to 30°C.
- Ambient Temperature: +5°C to 30°C.
- Efflorescence must be treated with PROTECTiT Efflorescence Remover before applying SEAL-iT 102.



## KEY FEATURES

- SUPER-HYDROPHOBIC.
- Does not change colour or aesthetics.
- Prevents ingress of most types of surface contamination, including water and oil.
- Suitable for ground surfaces with foot traffic.
- Up to 5 year protection.
- Non-flammable.
- Non-toxic.
- Environmentally friendly.

### TECHNICAL DATA

- **Chemical Composition:** Aqueous fluoropolymer dispersion.
- **Density:** 1.0kg/ltr @ 25°C
- **Flashpoint:** > 55°C
- **Chemical Resistance:** mild acids and alkalis, water and de-icing salts.
- **Coverage:** Dependant on porosity
- **VOC Content:** 0.0g/litre
- **Packaging:** 1, 5, 25 and 1000 ltr Units

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## COVERAGE:

- Architectural Concrete: 5 SqM/Ltr
- Block Paving: 5-8 SqM/Ltr
- Porous-Natural Stone (Limestone, Sandstone): 2-5 SqM/Ltr
- Low Porosity Stone (Granite, Marble, Slate, Terracotta) : 8 – 16 SqM/Ltr

## ADVANTAGES

- SEAL-iT 102 is a surface treatment, impregnation product which prevents water and oil ingress.
- Prevents dirt and stains from penetrating the surface giving an easy clean surface.
- Does not change the colour of the treated surface ( invisible protection ).
- Helps prevent surfaces from deteriorating through repeated " Freeze/Thaw" cycles.
- Contains zero VOC, is UV resistant, Non Flammable , Non Toxic and is environmentally friendly.
- SEAL-iT 102 maybe applied using a low pressure spray, brush and roller.

## RECOMMENDATIONS

- Wear protective gloves and glasses, and appropriate clothing whilst using the product.
- **Curing Treatment:** Do not apply if rain is expected within 4 hours. Water repellence is evident after initial curing but may take up to 7 days to reach 100% efficacy.
- Do not allow the applied product to dry in between application.
- Do not apply during rain or frost and when surface and air temperature is < 5°C and > 30°C.
- **Notes:** The technical data provided is based on laboratory tests and some variations may occur on large areas and unknown substrates.

## STORAGE/CLEANING

- Keep in a dry place (between 5°C and 30°C).
- Storage: 24 months following the production date when kept in the original unopened container.
- Clean all tools and equipment immediately after use with water

## HEALTH AND SAFETY

- **Respiratory Protection:** Under normal conditions no special respiratory protection equipment is needed.
- **Hand Protection:** Wear domestic gloves.
- **Skin Protection:** Wear protective clothing over exposed areas of skin.
- **Eye Protection:** Safety glasses with side-shields.
- **If swallowed:** Do not induce vomiting. Contact a doctor or a specialist.
- **KEEP OUT OF THE REACH OF CHILDREN**

## TECHNICAL SUPPORT

For technical information on the product please visit our website: [www.protectitsp.co.uk](http://www.protectitsp.co.uk)

**Important:** The content of this documentation is based on our experience of the product. We expressly decline any liability in the event of failure by the user to comply with the recommendations and conditions of said products, notably but not exclusively in the event of incorrect application by an unqualified person(s) or use of products not compatible with this product(s) or unsuitable weather conditions. For Further information refer to the safety data sheet. Formal clarification on all matters relating to application and suitability for use of the product(s) should be sought from us prior ordering



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