The Waterstop Shop®
waterproofing supply professionals
Product Data Sheet

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SubSeal BG

Description

SubSeal BG is a high performance, hand-applied, low VOC, moisture-curing single-pack elastomeric polyurethane waterproofing membrane with root resistant properties.

SubSeal BG is AS/NZS 4858:2004 and AS4654.1:2012 tested.

Product Features

- Low VOC, complies with Green Star requirements
- UV resistant
- Quick tack-free surface
- High puncture resistance
- High root resistance
- High stagnant water resistance
- High elongation>300% (Class III)
- Excellent crack bridging capability
- Single-pack, ready to use

Uses

- Planter boxes
- Retaining walls
- Basement walls
- General below ground applications

Composition		Single-pack moisture curing Polyurethane
Density(liquid)	(g/cm^3)	1.25 - 1.35 g/cm3
Density (cured)	(g/cm^3)	1.4 – 1.45 g/cm3
Service temperature	(°C)	-20 to +80 °C
Curing time	(hours)	Cured overnight
Shelf life:	(months)	9 months
***Viscosity @ 30 RPM**	(cPs)	10,000 – 18,000 cPs
Non volatiles	(%)	81%
VOC content:	(g/L)	250 g/L
Odour		Mild odour
Tensile strength	(MPa)	6 Mpa
Elongation	(%)	>300%
Hardness:	(Shore A)	70 Shore A
Angle tear strength	(kN/m)	20 kN/m
Peel adhesion (with Eraprime LV452)	(N)	>100 (concrete)
UV resistance		2000 hrs accelerated testing, no reduction in elongation, no visible cracks or blistering. Chalking evident.
Re-coating interval		Maximum 2 days after application
Recommended substrate temperature	(°C)	+5 to +35 °C
Recommended substrate moisture	(%)	Up to 5%
Recommended relative humidity	(%)	Between 20 and 90%

Preparation

Surface must be clean, sound, smooth and dust-free as well as oil-free.

A compatible primer, such as SubSeal PU Primer should be applied to ensure the adhesion of the membrane to the substrate as well as preventing outgassing from the concrete.

In the case of high porosity, wet concrete (humidity >5%) or in any doubt, it is recommended to use an epoxy primer.

Application
SubSeal BG can be applied with a brush or a roller to the desired thickness.

Application temperature of SubSeal BG is >5°C to 35°C.

SubSeal BG can be subject to light foot traffic after 24 hours.

Vehicle traffic is not permitted on SubSeal BG without the application of a top coat.

Where extended UV resistance is required, it is recommended that SubSeal BG should be coated with an Eracoat topcoat system such as Eracoat 2K Polyaspartic.

Recoating Instructions
In normal conditions, SubSeal BG can be recoated with another layer of SubSeal BG between 12 to 48 hours.

Coverage
2 coats of a minimum of 0.8L/m2 (1.04 kg/m2) each are required to achieve a 1.2 mm dry film thickness (DFT).

Limitations
- Do not install without the use of a primer
- Do not under apply coating as this will impact UV resistance and cause premature degradation

Storage and Shelf Life
Shelf life of sealed SubSeal BG in its original container is 9 months. Once opened, use entire contents immediately.

Safety
Please refer to the Safety Data Sheet (SDS) for personal protection, proper handling and storage.

SubSeal BG Product Guarantee
The WaterStop Shop guarantees the performance of SubSeal BG when:
- applied to properly prepared, structurally sound surfaces, and
- waterproofing is installed in accordance with AS3740 (internally) or AS4654.2 (externally) in conjunction with:
  - The WaterStop Shop's written application instructions,
  - all relevant requirements of the National Construction Code (NCC)
  - any relevant local building requirements, and
  - good trade practices

The guarantee is for a period of 10 (ten) years from the time of application and only covers the cost of materials and labour of the original installation when the product is proven and acknowledged to be faulty.

***Disclaimer**: The information provided in this Technical Data Sheet is based on current knowledge and experience. It is intended as a general guide only. Users should conduct their own tests to confirm product suitability for specific applications. The WaterStop Shop accepts no liability for misuse of the product.*