

# POLYBIT GC

## Rubberised Bituminous Waterproof Membrane

### DESCRIPTION

POLYBIT GC is a Solvent based 'Bituminous' modified Polyurethane waterproofing compound incorporating elastomers and reinforcing agents. It is formulated to a brushable consistency, but with sufficient body to provide a high build waterproofing membrane. POLYBIT GC is AS/NZ 4858 compliant. It will not re-emulsify after fully curing.

POLYBIT GC is designed as a market leading general purpose waterproofing membrane.

POLYBIT GC has built in anti root properties for non aggressive root matter, for a full description of suitable plant options for use with POLYBIT GC speak to your local representative.

### USES

POLYBIT GC is designed as an economical waterproofing long term solution for many non-exposed applications, POLYBIT GC is salt, mineral sand and garden matter resistant i.e. retaining walls, podium decks, planter boxes, landscape areas and "green" roofs.

### SUITABLE SURFACES

POLYBIT GC is suitable on most commonly used construction substrates including: Concrete cement, cement render FC sheeting and compressed sheeting, Dintel, block work and brick.

POLYBIT GC can be applied to damp surfaces but freedom from surface water and continual dampness is essential. The product will not cure if surface remains damp. The drying process takes longer if applied to a damp surface than having allowed the surface to dry before applying the product.

### SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor

requirements of the project. Specification for specific projects should be sought from the Company in writing, failing to have project specifications void warranties.

### LIMITATIONS

- POLYBIT GC is not designed for exposure to the sun.
- POLYBIT GC will not become waterproof until it had fully dried and cured. Protect from rain until it has cured.
- POLYBIT GC is not compatible with acid based sealants. Ideally POLYBIT GC should be coated with VIKIN SB PRIMER before applying sealant to it. Neutral cure sealants are preferred.
- POLYBIT GC is not a trafficable membrane. DRAINAGE CELL, FREE DRAIN TO FLOOR WASTES AND GEOFABRIC PROTECTION IS ESSENTIAL WITH USE FAILING TO DO SO VOIDS WARRANTIES.

### BENEFITS AND ADVANTAGES

VIKIN POLYBIT GC is a versatile membrane suitable for many demanding waterproofing applications:

- Economical
- Easy to apply.
- Has excellent adhesion.
- Will not stain grout and tiles after proper tiling.
- Flexible.
- Compatible with most tile adhesives.

### PRECAUTIONS IN USE

Do not apply in areas exposed to the weather if rain is imminent.

Product is considered safe to use if use as intended. Follow precautions in the MSDS and data sheet. Apply to surfaces 7% or less moisture content. If over speak to a Viking representative re priming options.

### PRIMING AND SURFACE PREPARATION

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable

timber and particle board surfaces, bitumen or where there is a risk of entrapped moisture in the substrate which may cause the membrane to bubble.

Alternative primers such as VIKIN SB Primer, may be used in non-exposed areas and where the moisture content of the surface is very low applied at no less than 1 litre per 3m<sup>2</sup> to 4m<sup>2</sup>.

Excessively porous, friable and dusty surfaces may require an additional priming coat.

Please refer to the product data sheets of the stated primers.

## DETAILING PREPARATION

### Corners

Primer as required.

Apply an adequate flexible polyurethane sealant, in accordance the manufacture's instruction and tool off to form a solid, coved or 45° fillet extending at least 10mm on to the adjacent surfaces. Apply the VIKIN membrane directly over the sealant and on the adjacent surfaces.

### ***For Additional waterproofing protection the following additional steps should be taken***

Waterproofing membrane with a polyester backed reinforcing fabric) over the cured polyurethane sealant (as described above) pressing it firmly on the surface. Apply the VIKIN membrane directly over the tape and on the adjacent surfaces.

### Joins, Gaps and Cracks

#### General

Joins, gaps and cracks should be suitably filled and sealed with an appropriate elastomeric sealant, preferably a polyurethane sealant, and allowed to cure.

Recommendation: The movement of small cracks should not be underestimated and should be at least covered with a flexible polyurethane sealant or additional coats of membrane.

#### Large or Live Cracks

Large cracks should be routed out to form a 'V' and then filled and sealed with a polyurethane waterproof joint sealant as per the manufacturer's instructions. The sealant

should be finished slightly proud of the surface and allowed to cure.

### Joins - Particularly in CFC Sheeting

Ideally the sides of the sheets should be fully coated with a flexible polyurethane waterproof joint sealant prior to butting the sheets together.

If not, the joins should be suitably filled and sealed with an appropriate elastomeric polyurethane waterproof sealant and finished flush with or preferably slightly proud of the surface and allowed to cure.

After priming, as required, lay a strip of VIKINLeak-Seal Tape over the join, pressing it firmly on to the substrate. The VIKIN membrane is then as described under 'Large or Live Cracks'.

If the VIKINLeak-Seal is not used then follow the procedure as described under 'Large or Live Cracks'.

### Waste Outlets, Penetrations and Angles

Waste Outlets: Floor wastes and puddle flanges should be rebated in to the floor to allow water to readily drain. The perimeter of waste outlets and around bases of penetrations should be sealed with a polyurethane sealant and allowed to dry.

Plastic or metal angles: Where required by the Building Code such as internal hobs and exterior door barriers and also plastic corner angels under wall boards, they should be securely embedded in to a continuous, gap free bed of a polyurethane sealant / mastic.

## APPLICATION

Apply by brush, roller or soft broom, usually in two or more coats of at least 600 microns thick.. The succeeding coats should be applied at right angles to the preceding coats.

NB- 1.2 DFT is minimum requirement for warranty purposes, achieving this requires a minimum 2 coats.

If used unreinforced the minimum dry film thickness must be 1.3mm.

## COVERAGE

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Unreinforced: Minimum of 0.8 litres per m<sup>2</sup> per coat.

Combined coats of at least 1.6 litres per m<sup>2</sup>. Reinforced: 1.0 litres per m<sup>2</sup> per coat. Combined coats 2.0 litres per m<sup>2</sup>.

## COLOURS

Dries black.

## DRYING AND CURING

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Generally at 25°C at 50RH: Touch dry: 4 to 6 hours Fully dry: 12 to 24 hours. Full cure: 36 hours

## STORAGE

Keep in cool dry conditions. Do not let product freeze. Product is non flammable and non-hazardous. Available in 4 & 15 Lt containers.

## CLEAN UP

Wet spills can be cleaned with water. However, it is difficult to remove all residue particularly on porous surfaces.

## TILING, TOPPING OR TOP COATING

POLYBIT GC is compatible with most tile adhesives. Ensure adhesive is compatible with flex of the surface. Do not tile until product has fully cured. Rubbing with damp cloth that produces no stain indicates full cure. Adequate expansion joints should be installed in accordance with good tiling practice as per AS3951.1:1991. POLYBIT GC can be topped with sand:cement topping.

## SAFETY & PRECAUTIONS

The use of gloves and goggles against splashes are recommended. If in eyes, flush thoroughly with clean water, holding open to ensure trapped product may be flushed away. If swallowed, give water to drink and seek medical advice. If inhaled, unlikely due to products viscosity, remove to fresh air and apply artificial respiration if required and seek medical attention. If on skin, remove contaminated clothing and wash skin with soap and water.

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

## TESTS AND TECHNICAL DATA

Originally tested and approved by ABSAC under VIKIN Seal.

Solids	60% to 65%
Hydrostatic pressure resistance	180Kpa
Elongation	>550%
Application temperature range	10°C to 35°C