

PC-Sealcoat® BT

SINGLE COMPONENT, BITUMINOUS POLYURETHANE, LIQUID APPLIED
WATERPROOFING MEMBRANE



INTRODUCTION

PC-Sealcoat® BT is a liquid-applied, permanently elastic, cold-curing, bitumen-extended, single-component solvent-based polyurethane membrane specially crafted for long-lasting waterproofing solutions. Incorporating the PC-Sealcoat® BT, this product features pure elastomeric hydrophobic polyurethane resins combined with chemically polymerized virgin bitumen, providing exceptional resistance to mechanical stress, chemicals, heat, and environmental elements. The curing process of the PC-Sealcoat® BT is facilitated through a reaction with ground and atmospheric moisture.

ADVANTAGES

- Easy and user-friendly application
- Forms a smooth, seamless membrane
- Frost and crack resistant
- Withstands high temperatures (-30°C to +90°C)
- Strong adhesion to various surfaces
- Resists household chemicals
- Easy to repair if damaged
- No open flame required for application

✓ MIXING

Thoroughly mix the substance before applying PC-Sealcoat® BT. Refrain from incorporating water, colorants, or solvents under any circumstances.

✓ APPLICATION

Prior to application, thoroughly stir the mixture for 2-3 minutes. Utilize a roller or brush to apply PC-Sealcoat® BT evenly across the surface until complete coverage is achieved. Target areas prone to issues, such as wall-floor junctions, 90° angles, chimneys, pipes, and waterspouts, by reinforcing them with PC-Seal®mash. For reinforcement, carefully position a properly cut piece of PC-Seal®mash onto the damp PC-Sealcoat® BT, firmly press it to ensure absorption, and then saturate it once more with an ample amount of PC-Sealcoat® BT. It is recommended to reinforce the entire surface with PC-Seal®mash, ensuring a 5-10 cm overlap for each strip.

Apply an additional layer of PC-Sealcoat® BT between 8 to 24 hours after the initial application. In cases where greater durability is required, contemplate applying a third layer of PC-Sealcoat® BT. If the ultimate layer of PC-Sealcoat® BT is intended to be tiled with ceramic tiles, it is imperative to saturate it completely with oven-dry silica sand (sized 0.4 - 0.8 mm) while the surface remains wet.

COLOUR

Base - Black

COVERAGE

150-200 g/m²/layer

✓ USES

- Construction of underground structures and foundations.
- Integration of green roofs and flower beds.
- Installation of non-potable water tanks and irrigation channels.
- Application of under tiles in spaces like kitchens, bathrooms, balconies, flat roofs, and terraces, preceded by a layer of quartz sand.
- Placement of thermal insulation boards beneath flat roofs.
- Utilization in diverse construction projects such as highways, tunnels, and bridge decks.

Suitable for underground works, green roofs, water tanks,
and under-tile areas like bathrooms and terraces.

FORM

Bitumen-modified polyurethane resin

SHORE A HARDNESS

30

ELONGATION AT BREAK

> 450%

TENSILE STRENGTH

>8.0 N/mm²

SERVICE TEMPERATURE

From -15°C to +80°C

FINAL CURING TIME

7 days

DENSITY

1.32 kg/l ± 0.02 kg/l

WATER IMPERMEABILITY

6 atm

VISCOSITY

~ 9,000 mPa·s (+23°C)

TEAR RESISTANCE

15 N/mm²



FEATURES

The coating is easy to apply and forms a smooth, seamless membrane. It resists frost, bridges cracks effectively, and maintains its strength across a wide temperature range (-30°C to +90°C). It adheres well to various surfaces, withstands household chemicals, and allows for simple repairs if damaged. Importantly, it requires no open flame during application, ensuring safer installation.



SAFETY

Extended exposure may lead to eye and skin irritation upon contact. If the issue persists, seek medical assistance. It is advisable to use gloves when applying the product.

REMARKS

- When using a spray application, it is advisable to dilute PC-Sealcoat® BT with a small quantity of SM-28 special solvent, adjusting the amount based on prevailing weather conditions.
- It is imperative to avoid contact between PC-Sealcoat® BT and chemically treated water found in swimming pools.



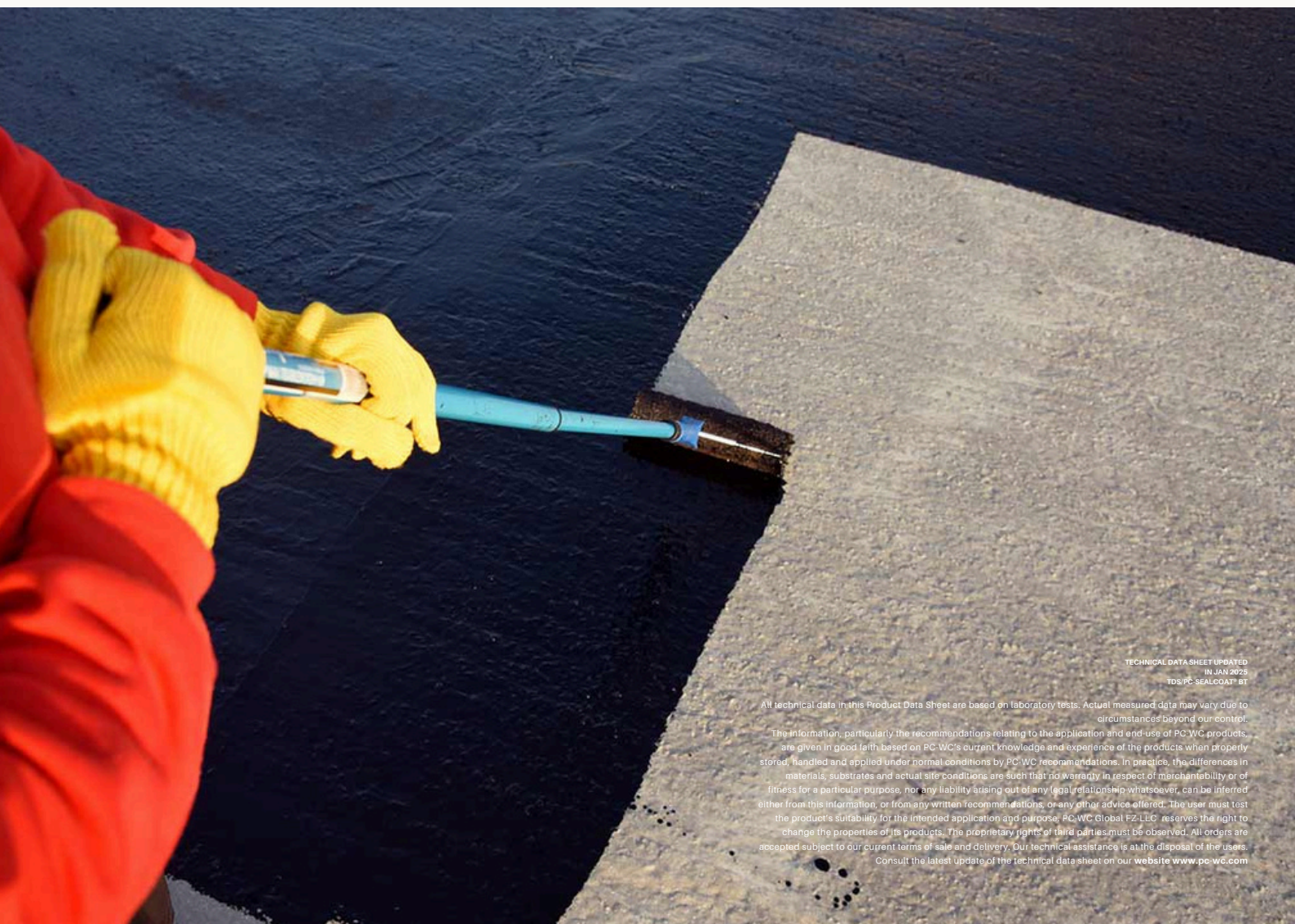
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PC-SEALCOAT® BT

Pack Size: 20 kg



TECHNICAL DATA SHEET UPDATED
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TDS/PC-SEALCOAT® BT

All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. The information, particularly the recommendations relating to the application and end-use of PC-WC products, are given in good faith based on PC-WC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions by PC-WC recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or any other advice offered. The user must test the product's suitability for the intended application and purpose. PC-WC Global FZ-LLC reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.pc-wc.com