

PC-Sealcoat® 220

**LIQUID APPLIED POLYURETHANE BASED ELASTOMERIC PROTECTIVE /
WATERPROOFING COATING**



INTRODUCTION

PC-Sealcoat® 220 is a single-component, bitumen and coal tar-free, high solid content, liquid-applied elastomeric polyurethane resin-based cold-applied coating system. It is ideally suited for the waterproofing of all type of roofs, terraces, Floor slab, walls, and basements, conforming to ASTM C-836-95 and ASTM C-898-95 standards.

ADVANTAGES

- Solvent-free and non-toxic.
- Pre-mixed single-component formula.
- Highly flexible with exceptional crack bridging capabilities.
- Remarkable UV and Heat resistance.
- Excellent adhesion to various surfaces, porous and non-porous alike.
- Forms a continuous waterproofing membrane.
- Easy application process.
- Suitable for compact spaces with minimal odor presence.

✓ USES

- Roofs and terraces
- Podiums
- Steel and metal roofs
- Floor slabs and balconies
- Wet areas, including those beneath tiles in bathrooms and kitchens
- Solar reflective coating for exposed roofs

✓ MIXING


Thoroughly mix the substance before applying **PC-Sealcoat® 220**. Refrain from incorporating water, colorants, or solvents under any circumstances.

✓ SURFACE PREPARATION

The surfaces to which the application will be made must be dry, clean, and free from oil and grease. It is essential to remove any loose particles and repair any damaged areas before proceeding. Cracks should be filled with PC-Crack Seal® Paste or epoxy mortar. To enhance the adhesion of PC-Sealcoat® 220 Coating to the substrate, it is advisable to apply PC-Prime® AC as a primer coat. However, PC-Sealcoat® 220 can also be applied directly to a cleaned, dust-free, and sound concrete surface. Prior to the application of the coating or primer, ensure that the surface moisture content does not exceed 8%.

✓ APPLICATION

PC-Sealcoat® 220 can be applied by brush, roller. Alternately can be applied by a suitable spray gun or spread by a rubber squeegee. Additional layer must only be applied when previous layer become dry Recommended consumption of product should be followed. For multiple coats allow sufficient drying application (time gap between two coats : 8-12 hours) between coats. Wherever possible apply coats at right angles to each other to achieve even thickness of coating. Recommended film thickness should be 700 microns to 1000 microns for normal waterproofing using 1.0-1.3kg material. Higher thickness (1000 microns to 2000 microns) of coating is also used depending on site requirement.



Roof waterproofing for new builds and refurbishments, including walls, old tiles, and complex roofs with penetrations, drains, and skylights.

APPEARANCE OF CURED FILM

Black, Grey

SOLID CONTENT

>90 % (w/w)

APPLICATION TEMPERATURE

2-40°C

SERVICE TEMPERATURE

from -15°C to +90°C

ADHESION

2.0 N/mm²

CRACK BRIDGING

3mm (Minimum)

PERMEABILITY TO WATER

7 bar passes

SPECIFIC GRAVITY

1.3±0.1 (at 27°C)

TOUCH DRY

4-6 hours (at 27°C, 70% RH)

ELONGATION AT BREAK AT 7 DAYS,

>500 % ASTM D412

TENSILE STRENGTH

>2.2 , 7 days, N/mm² , ASTM D 412

THEORETICAL COVERAGE (WFT)

1.3 kg/mm/m²



FEATURES

This solvent-free, non-toxic, single-component coating is easy to apply and ideal for confined spaces due to its low odor. It offers high flexibility, excellent crack-bridging, strong adhesion on all surfaces, and forms a seamless waterproof membrane with strong UV and heat resistance.



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.

LIMITATIONS

- Store the material at the 2° to 35°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before polymerization starts.
- Do not keep left over material in open condition.
- Do not apply the coating if the rain is expected within 24 hours.
- Do not apply coating thickness more than 500 microns in one go. If the total coating thickness is more than 500 microns apply in multiple layers.



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PC-SEALCOAT® 220

Pack Size: 20 kg



TECHNICAL DATA SHEET UPDATED
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TDS/PC-SEALCOAT® 220

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](http://www.pc-wc.com)