DESCRIPTION

PACTOProof PU Flex is a one-component high build polyurethane polymer based elastomeric coating. The dry film possesses superior physical properties. The dry membrane is water tight, seamless, durable, tough, highly flexible and weather resistant.

PACTOProof PU Flex utilises the latest in polyurethane technology to perform as a UV resistant membrane with excellent durability even in harsh/hot Middle East climatic conditions.

TYPICAL USES

PACTOProof PU Flex may be used for the following situations:
- Waterproofing of roofs (asbestos, cement tile terrazzo and concrete)
- Waterproofing of domes, arches, terraces, balconies, sunshades & parapet walls
- Wet area, i.e. under tiles in bathroom, kitchen and shower areas
- Waterproofing over old refurbished roof

ADVANTAGES

- One-component ready to use, light weight compared to conventional roof system
- Formulated to withstand harsh Middle East climate
- Non-flammable and non-hazardous
- Highly elastic and UV resistant
- High crack building capability

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Thixotropic coating</td>
</tr>
<tr>
<td>Full Cure</td>
<td>7 days</td>
</tr>
<tr>
<td>Solid Content</td>
<td>65%</td>
</tr>
<tr>
<td>Density (ASTM D1475)</td>
<td>1300 ± 50 kg/m³</td>
</tr>
<tr>
<td>Tensile strength (ASTM D412)</td>
<td>2.0±0.5 N/mm²</td>
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<tr>
<td>Elongation (ASTM D412)</td>
<td>300%</td>
</tr>
<tr>
<td>Crack Bridgeability (ASTM C836)</td>
<td>3.20mm</td>
</tr>
<tr>
<td>Tear resistance (ASTM D624)</td>
<td>15±5 kN/m</td>
</tr>
<tr>
<td>Shore A Hardness (ASTM D2240)</td>
<td>70±5</td>
</tr>
<tr>
<td>Service temperature</td>
<td>-5°C - 90°C</td>
</tr>
</tbody>
</table>

APPLICATION

Surface Preparation
Surfaces must be dry and free from oil, dust, dirt, grease and loosening materials. The substrate should be firm, in case of gaps and cracks fill with suitable polysulphide sealant and ensure the surface is level.

Substrate Priming
For most situations, the substrate should be primed with PACTOProof PU Flex Primer. PACTOProof PU Flex can be applied as soon as the primer becomes dry.

Application
Stir well before use. Do not apply if rain is expected within 24 hours. Apply the material using brush or roller. A second coat is applied at right angle after the first coat is dry. It is recommended to apply two coats of PACTOProof PU Flex to get a thickness of 1mm. Multiple coats can be applied to achieve higher thickness. Embed glass fiber mesh around all corner joints, fillets, pipe penetration, pipes, over cracks, drains and where substantial movement is anticipated, lay fibre glass mesh in the wet first coat before the application of subsequent coats.

Curing
It requires 24 hours to dry in between 2 coats and 48 hours curing is adequate for foot traffic. Low temperature and high humidity will slow down the curing process. 7 days are required for full cure. In case of expected rains, do not apply PACTOProof PU Flex. Ensure curing is complete before laying thermal insulation board mechanical protection and other coverings.
Application Temperature Range
5°C to 50°C

EQUIPMENT CLEANING
PACTOProof PU Flex should be cleaned from equipment using soap and water immediately after application.

PACKAGING & YIELD
PACTOProof PU Flex is supplied in 20 litres pail with a coverage rate of 20 m²/pail at 1mm.

PACTOProof PU Flex Primer is supplied in 20 litres pail with a coverage rate of 8-10 m²/litre.

STORAGE AND SHELF LIFE
When stored in a cool environment in original unopened containers, the material has a shelf life of 12 months.

LIMITATIONS
Do not use PACTOProof PU Flex in poor drainage areas that will be constantly underwater.

PROTECTION FROM MECHANICAL DAMAGE
The cured membrane could be damaged by sharp objects and should be protected against damage and site abuse by other trades. Terminates the edge of the coatings securely to avoid peeling-off.

Protect the coating with cement screed in heavy traffic areas. This should be done after 48 hours of curing.

HEALTH AND SAFETY
Eyes should be protected from splashes by wearing goggles. In the event of contact with your eyes irrigate immediately with clean water and seek medical attention.

Skin contact should be avoided by wearing protective gloves and outer clothing. The product may be removed from the skin when wet by water and soap, and when dry by using a proprietary hand cleaner.

If ingested, seek medical attention immediately.

FLAMMABILITY
PACTOProof PU Flex is a non-flammable and non-hazardous in normal use.

Important Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. PAC Technologies shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional Information contact your local PAC Technologies representative.

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