



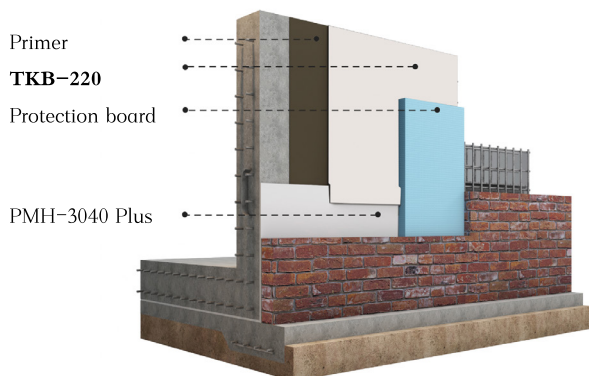
TKB-220

Weather-durable Self-adhering Bituminous Waterproof Sheet

Product Description

TKB-220 is a post applied self adhesive solar reflective waterproofing membrane, which is specifically designed to meet the extreme challenges of high temperatures and aggressive soil conditions. It is processed by a special advanced compound technology with a fluorocarbon weather-resistance film and a peelable silicon-coated isolation film whereby it can be used as an exposed system for 20 years or more. The unique full width greycolored solar reflective film can reduce solar gain and facilitate easier installation and damage detection. It is used for protection of concrete in basements, foundations and above ground waterproofing applications.

System Structure



Features & Benefits

- Excellent weather & UV resistance.
- Resistance to aggressive ground conditions.
- Good corrosion & chemical resistance.
- Damage Detection – Grey reflective carrier film and black waterproofing compound contrast to allow for easy identification of any accidental surface damage and facilitate identifying areas.
- Hydrostatic head resistance tested >70 m.
- Grey, solar reflective surface-reduces solar gain.
- Self-adhesive overlaps designed to ensure continuity. No special equipment needed for application.
- Dimensional stability – Prevents excessive wrinkle.
- Excellent heat & dimensional stability .
- Excellent Stain Resistance.

Packing and Specifications

| Item | Description |
|-----------|---|
| Packaging | Roll |
| Width | 1m |
| Thickness | 1.5mm or 2.0mm |
| Length | Available in 15m or 20m |
| Roll Size | Available in 15m ² or 20m ² |

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Typical Properties

| Description | Test Methods | Typical Values |
|----------------------------|-----------------|---------------------------------|
| Thickness | ASTM D3767 | 1.60mm |
| Roll Size | - | 1m X 20m |
| Elongation | ASTM D412 | 232% |
| Tensile Strength | ASTM D412 | 11.9 Mpa |
| Puncture Resistance | ASTM E154/E154M | 848N |
| Water Vapour Transmission | ASTM E96 | 0.0071 [g/(m ² .hr)] |
| Tear Strength | ASTM D624 | 34.1 KN/m |
| Watertightness test(7 bar) | BS EN 1928:2000 | No Leakage |

Note:

All values are based in test results determined under laboratory conditions and with product samples taken from original stock. Independent laboratory test values available upon request.

Application Method

Surface Preparation

- The substrate shall be solid, firm, dry and free from laitance, dust and dirt.
- All loose concrete shall be removed. Cracks and honeycomb shall be repaired prior to waterproofing application.
- Apply bituminous primer and allow touch dry before applying TKB-220.
- TKB-220 shall be laid by removing the release liner and applying the self-adhesive face onto the substrate to ensure a good initial bond.
- Adjacent rolls are aligned and overlapped a minimum of 50mm at the side and ends with a roller or firm hand pressure to ensure complete adhesion and continuity between the layers.
- Following application and inspection, care should be taken to prevent damage by other trades.
- Protection of membrane against weather exposure and physical damages shall be applied as soon as possible.
- Any punctured or damaged areas should be cleaned and patched using TKB-220 with a minimum of 50mm laps all round.

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Application Areas

- Ground Slabs.
- Areas in contact with earth such as basements slabs & walls.
- All underground structures.
- Roof and podium decks.

Transportation & Storage

- Stored in well-ventilated and dry place. Storage temperature should be below 45°C .
- It only can be put horizontally in five-level.
- Stay away from direct sunlight, rain and high temperature.
- Avoid contact with acids, alkalis, oils and organic solvents.
- Prevent slope, tilt or lateral drift, stamped felt cloth when necessary.

Precautions

- Read the product label and Material Safety Data Sheet (MSDS) before using it. Users should acquaint themselves with all risks & safety regulations.
- Conform to manufacturer' s recommendations, material handling and storage specifications.
- Protect all materials from extreme temperature.
- Store and transport rolls in such a manner to prevent bending of the inner core and membrane edge damages
- To prevent work interruption, it is important to have all the necessary tools and equipment on the job-site when you begin.

Product Liability

The above information and suggestions are based on our experience and are for reference only. Since Oriental Yuhong Company and its dealers cannot control the storage and handling conditions after delivery, Oriental Yuhong shall not be liable for any quality issues caused by improper use. No technical information shall be provided to any third parties without manufacturer' s consent.