

# IKO polystrong

## Anti Reflective Cracking Membrane

### Description:

**IKO Polystrong consists of a self-adhesive bituminous compound, reinforced with an extra strong woven glass-fiber mesh. Con-ceived to reinforce and load spread wherever road surfaces show first signs of cracks.**

Heavy load traffic can cause valleys and alligator cracks on the road. IKO Polystrong offers a cost saving solution by a reduced thickness asphalt layer. The membrane is self-adhesive and therefore easy to apply on large damaged roads.

### Use:

The IKO Polystrong membrane can be used for: reinforcing in case of subsidence and/or alligator skin or cracks on damaged road surfaces; Jointing membrane between different substrates for road extensions; Spreading loads over unstable cement substrates in bituminous or standard mix. Cold applied, self-adhesive, on all road surfaces.

### Characteristics:

- Carrier: extra strong woven glass-fiber mesh
- Bitumen coating mass: self-adhesive SBS modified bitumen.

- Quick to install.
- No high qualified personnel required.
- Time and cost saving.

### Characteristics:

- Backing Melting Point: > 400°C (ASTM D 276)
- Tensile Strength Long: > 40.000 N/m (ISO 4606)
- Tensile Strength Trans: > 24.000 N/m (ISO 4606)
- Elongation at Break Long: 2% (ISO 4606)
- Elongation at Break Trans: 1,6% (ISO 4606)
- Adhesion Strength: >250 N (ASTM D1000)
- Vapour Permeability: 77.85 kg/m<sup>2</sup>\*s\* Pa (UNI EN 1931)
- Flammability classification: B2 (DIN 4102).
- Reaction to fire: E (EN 11925 - 2; EN 13501 - 1)

- Thickness: 1,5 mm
- Length: 20 m
- Width: 1 m
- Other lengths and thicknesses are available on request.

### Implementation:

- No special tools are required to apply this membrane but a good surface preparation is needed.
- All the surfaces on which the membrane is to be applied must be dry, clean and free from irregularities such as stones, spurs, etc. Any cracks or areas with missing sub-strates must be sealed with bituminous emulsion or sand.
- The IKO Polystrong membrane can be applied on both milled and unmilled surfaces.
- Once the surface has been prepared, the membrane can be installed on the road surface.
- The membrane must be unrolled parallel to the direction of movement, being careful to avoid the formation of waves, bubbles or creases. The membrane must be overlapped on all edges by at least 5-8 cm for mechanical continuity; take care of the overlapping bonding.
- The asphalt must have a minimum temperature of minimum 130°C and should be poured directly on the membrane to guarantee a perfect cohesion.

### Storage:

- Do not pile pallets
- The quality and characteristics of the materials remain unaltered for a very long time; the product should be used within 12 months.
- Store preferably in dry and covered premises at a temperature between +5°C and +40°C.
- Not affected by frost.
- Transport classification: Not Applicable.

### Packaging:

The rolls are packed individually in card-board boxes and placed on pallets.