# IKO Compound MN20

## Description:

Hot poured sealing compound made from elastomeric bitumen.

## Use:

- Ideal for filling wide and deep joints in bridgeheads (compound joints).
- Is used as a mixture with tinned 8/16 grit, which creates a smooth joint filler that can resist high indentation.
- Forms a bond between the transitions on concrete and asphalt roads.

## Characteristics:

- Has established elastic properties.
- High rigidity.
- Does not become fluid at high temperatures (+/- 70 °C).
- Maximum movement of the joint around 40 mm.
- Resists aggressive agents: resists to diluted acids and alkalis, but doesn't resist to hydrocarbon solvents and oils.

## Caracteristics:

| | |
|---|---|
| Colour | Black |
| Ring and boll EN 1427 | 95° C |
| Density | 1 |
| Cone penetration | 46 |
| Bullet penetration & rebounce | 71% |
| Needle penetration 25°C 100g 5s | 42,8 |
| Vertical efflux | 0 mm |
| Vloeiweerstand EN13880-5 | 0 |
| Elongation at -28°C | >= 50% |
| Form recovery at -28°C | 100% |

## Cleaning tools and stains:

Immediately, using white spirit.

## Implementation:

**Preparation of the substrate**

- If the joint is milled out in 'ZOAB' (i.e. very open asphalt concrete), the edges must first be ground to prevent damage to this wearing course.
- The joint must be clean, dry and free from dirt.
- A galvanised metal sheet must be placed across the bottom of the joint. This must be secured at the side of the oncoming traffic.
- A layer of IKO CP primer Black must be applied.

**Melting and application of IKO Compound MN20**

- The melting takes place in a melting pot with oil bath, fitted with a stirring rod and thermostat.
- Flow temperature: +/- 160 °C
- Critical temperature: +/- 200 °C
- Application temperature: +/- 180 °C
- In order to facilitate melting, we recommend filling the smelter to only one third of its capacity in the early stage.
- As soon as melting begins, the smelter can be completely filled
- Heat the tinned 8/16 grit to at least 180 °C, and apply to the joint.
- Pour the IKO Compound MN20 at a temperature of +/- 180 °C.
- If the depth of the joint exceeds 5 to 6 cm, work with several layers.
- Give the IKO compound MN20 the necessary time to enable the complete saturation of the joint.
- If possible, allow the joint to cool down completely before applying the final layer (cooling causes some shrinkage of IKO Compound MN20).
- Finish by spreading grit and rolling the surface.

## Storage:

Unlimited if stored dry

## Sizing and palletization:

- Bags of 23 kg (item number 02100160)
  - 44 bags per pallet / 1.012kg per pallet

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