

THIS METHOD STATEMENT COVERS THE PREPARATION, MIXING & APPLICATION OF **MasterSeal SL 190**.

**METHOD STATEMENT: MasterSeal SL 190**

**Note: Joint size.**

**This sealant does NOT follow the norms that typically relate to sealant width to depth ratio and the table below must be adhered to.**

Joint size may range from a minimum of 10mm to a maximum of 40mm wide as detailed below:

<b>Width joint (mm)</b>	<b>Depth joint (mm)</b>	<b>Consumption ml/m</b>
10	10	100
15	12-15	180-225
20	16-20	320-400
25	20-25	500-625
30	24-30	720-900
35	28-35	980-1225
40	32-40	1280-1600

**Minimum sealant depth specified: See above table.**

**1. JOINT PREPARATION SURFACE TREATMENT - This sealant is only intended for use for the sealing of joints within Concrete and Asphalt horizontal surfaces.**

- 1.1. Surfaces must be clean and dry. Wire brush thoroughly and remove dust and all contaminants.
- 1.2. Ensure the joint width is in line with the above table and that the joint width is consistent along its full length.
- 1.3. Variations in width should NOT exceed 10% of the measured width at any point.
- 1.4. Sealant should ideally only be applied when the joint to be sealed is at mid-point in it's designed / expected movement range. This reduces the risk of overextending or over compressing the seal due to thermal expansion and contraction (specifically for known movement / expansion joints).
- 1.5. Edges of cleaned joints to be masked using a suitable masking / duct tape to prevent excessive spillage.
- 1.6. Insert the required and correct sized backing chord into the joint and ensure it is positioned to the correct depth based upon the above table + 3mm (to create / accommodate a recessed joint).

- 1.7. If the base of the joint slot is set at the correct depth, place de-bonding tape in the bottom of the joint to prevent three-sided adhesion taking place.
- 1.8. Prepared edges then to be primed using **MasterSeal P 190**, a two-component epoxy resin-based primer. Mix the **MasterSeal P 190** components together thoroughly and then apply using a small soft bristled paint brush to both edges – Do NOT allow excess material to coat the backing chord.
- 1.9. **MasterSeal SL 190** shall be applied within approx. 2 to 6 hours (max) at 23°C of primer application, otherwise removal and re-priming will be necessary.

## 2. APPLICATION TEMPERATURES:

- 2.1. **MasterSeal SL 190** should be applied only when the ambient temperature is between 5°C and 48°C.
- 2.2. Do not apply to concrete in direct sunlight or when temperatures are rising, as air / vapour expelled from the concrete can form bubbles / blisters in the sealant.
- 2.3. When the temperature is below 10°C storage of the materials at room temperature for several hours will ease mixing and application.

## 3. MIXING:

- 3.1. Mix and use one complete unit at a time. Do not sub-divide.
- 3.2. **MasterSeal SL 190** is supplied as a two-component kit with the curing agent supplied in a separate smaller tin.
- 3.3. Combine the curing agent with the base material and mix for 5-10 minutes using a suitable paddle fitted to a low speed electric drill moving the paddle completely through the mass of the material. Ensure ALL curing agent is removed from its tin and combined with the Base material.
- 3.4. The sides and base of the larger container should be periodically scraped down with a palette knife to ensure all of the curing agent is completely blended with the base compound. The mixed material should be a consistent colour with no streaks.
- 3.5. Failure to completely disperse curing agent throughout the base compound will result in uncured sealant. Once mixed, **MasterSeal SL 190** should be used immediately.

## 4. APPLICATION:

- 4.1. **MasterSeal SL 190** is formulated to be liquid and should be simply poured into the prepared joints directly from the tin once mixed correctly.
- 4.2. Unless specifically required ALL joints to be trafficked should be provided with a 3-6mm recess and NOT finished flush with the floor surface (prevents pick-up whilst still curing).

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**STATEMENT OF RESPONSIBILITY**

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