

# EPIKERB

## Epoxy Bedding Mortar

### Description

Epikerb is designed to enable the fixing of concrete kerbs directly onto concrete or asphalt allowing savings to be made by eliminating the need of a bedding channel or backing material. Epikerb is a pre-weighed three component system of solvent free epoxy resin and hardener which, when blended with the graded aggregates, forms a high strength mortar with outstanding adhesive properties. The material may also be used as a general bedding mortar for pre-cast units, coping stones, manhole frames, machinery, etc.

### Advantages

- Economical - no need to excavate a bedding channel.
- Ready for trafficking in a few hours.
- Tolerant to damp surfaces and no primer required.
- High bond strength saves on maintenance costs.
- No backing or back filling needed.
- Pre-weighed ingredients supplied in sealed containers.
- Durable and long lasting.
- Low Modulus of Elasticity in flexure.
- Can be used as a gap/filler joint.
- High early strength, early trafficking.
- Excellent adhesion to concrete, stone, asphalt and metal.
- Tolerates dampness/damp conditions.

### Surface Preparation

All surfaces should be clean, free from oil, grease and chemical contamination, free standing water, old paint and all loose debris. Oil and grease should be removed by using Desolve.

New concrete should be fully cured and scabbled or thoroughly wire brushed to remove any laitance or loose materials.

Steel should be grit blasted or mechanically abraded to a clean bright finish.

### Technical Information

Typical Compressive Strengths of 40mm cubes N/mm<sup>2</sup>

	4	6	18	1	2	3	7
	hrs	hrs	hrs	day	days	days	days
5°C	6	14	50	55	67	73	83
20°C	35	41	85	89	93	94	97

Modulus of Elasticity in Flexure BS6319:Part 3

15.0 N/mm<sup>2</sup>

Bond Strength BS6319:Part 7 >4.0 N/mm<sup>2</sup> (primed and unprimed surface)

Tensile Strength BS6319:Part 7 12.3 N/mm<sup>2</sup>

Flexural Strength BS6319:Part 3 24.6 N/mm<sup>2</sup>

Full Cure 7 days

Yield per pack 9.7 litres

Laboratory test results taken after 7 days @ 20°C

Additional Information

Cure before stress 20°C 4 hours

Vehicular Trafficking Time

Summer >15°C 24 hours

Winter >5°C 3 days min. (1 day with forced warming)

Application Temperature Range 5°C - 35°C

Minimum Thickness 5 - 10mm

### Mixing

The Epikerb base and hardener components should be thoroughly mixed in the base container. In cold conditions it will greatly aid mixing if the materials are stored in warm conditions.

Once the base and hardener are thoroughly mixed they should be transferred to a suitable forced action mechanical mixer such as a Creteangle or Daines and the aggregate added slowly. Once all the aggregate is added, mix thoroughly for 3-4 minutes until a homogeneous mix is obtained.

### **Application Instruction**

The Epikerb mortar should be loosely placed into the prepared substrate. The Epikerb mortar should be at least 5mm thicker than the finally required bed. The kerb should then be placed firmly on top of the mortar and worked into place to the required level. Any excess mortar squeezed out should be removed at this stage. It is not recommended to drop below a 5mm bed. The mixed product may be used as a heavy duty gap filler. A method statement is available on request.

### **Health & Safety**

Epikerb, like similar products, is capable of irritating unprotected skin. We therefore recommend the use of a suitable barrier cream and that gloves be worn.

### **Limitations**

Do not apply below 5°C.  
Minimum compacted bed thickness 5 mm.

### **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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