



Description: **cds-Mortar 0-1 FB** is a pigmented, 2-component epoxy resin mortar filled with special aggregates, solvent-free.

Application: **cds-Mortar 0-1 FB** is used to repair curb stones and, even as a thin, approximately 2 mm, thick layer, it excels itself by its especially easy application on horizontal and vertical surfaces.

Properties: **cds-Mortar 0-1 FB** is resistant to solvents and ageing and shows good chemical resistance.

Specific weight (mixture): 2,0 g/cm³
 Solids content: 98 ± 2 by weight %
 Mixing ratio: 96 : 4

	Application time (minutes)			Hardening (walkable) (hours)			Chemically stable after (days)		
	+10 °C	+20 °C	+30 °C	+10 °C	+20 °C	+30 °C	+10 °C	+20 °C	+30 °C
Hardener S	-	30	15	-	15	8	-	7	5
Hardener FH	20	15	-	18	10	-	10	7	-
Hardener FH-Super	15	5	-	9	4	-	4	2	-

Lowest application temperature: +15 °C with Hardener S
 +5 °C with Hardener FH
 +3 °C with Hardener FH-Super
 Highest application temperature: +30 °C with Hardener S
 +25 °C with Hardener FH
 +20 °C with Hardener FH-Super

Compression strength: more than 60 MPa (N/mm²)
 Flexural tensile strength: more than 20 MPa (N/mm²)
 Adhesive tensile strength: above 2,5 MPa (N/mm²) (cracks in concrete)
 Shrinkage: Less than 0,1 %

Subsurface: The mineral substrate must be dry, load-bearing, fine-grained and free of sludge, dust, loose particles, grease and oil. Prepare concrete surface by milling, sanding or using a wire brush. Then remove loose parts by blowing off. After preparation, the adhesive strength of the concrete substrate should be at least 1.5 N/mm². As bonding agent **cds-Adhesive** is generally used. The use of a primer is mandatory!

Mixing: Base (A) and hardening components (B) are packed in the exactly measured mixing ratio. Pour component B completely into component A, and then mix the components together thoroughly. Scrape off the sides and bottom of the mixing container repeatedly and thoroughly during mixing. In order to prevent mixing errors, pour the pre-mixed material into a clean container, and again stir thoroughly.
 When preparing large quantities, the use of a double zone mixer is recommended. Suitable are electrically, manual agitators (such as drilling machines rotating slowly at max. 400 rpm with screw basket mounted). Forced mixers are most appropriate.

Processing:



(See processing video)

The material may only be processed if the temperature of the substrate is at least 3 °C above the prevailing dew point temperature. The relative humidity must not exceed 75 % (at +10 °C) or 80 % (at +23 °C).

cds-Mortar 0-1 FB must always be laid on freshly applied, not yet hardened **cds-Adhesive**.

After mixing the mortar should be applied without any delay within 30-45 minutes.

Consumption: depending on the volume to be filled and calculated on the base of the specific weight.

After the preparation work has been finished, the mortar is spread or filled into formwork. Formwork insulation oil, paper or foil prevent the mortar from bonding and allow to remove the formwork after mortar hardening.

The following should be considered when repairing edges around joints:

- **Avoid bridge formation in joints**
- **Don't make the concrete surface run out to zero but square the patch to repair and finish it up with approximately 5 mm of mortar**
- **Opposing edges should be flush with each other**
- **Use a trowel to rub on mortar well**
- **Smoothen mortar surface with steel or plastic float**

Cleaning:

Tools should be cleaned immediately after the end of the work or before extended interruption of the work using **cds-EP-Thinner/Cleaner**. Material components and cleaner must not be allowed to enter the drainage system, water or ground water, but must be disposed of properly.

Delivery unit:

8 kg, 20 kg, 25 kg including hardener

Colours:

Grey

**Shelf life/
Storage:**

1 Year dry storage, at +15 °C to +20 °C, avoid direct sunlight

**Danger
warnings:**

Avoid contact with the skin, especially in the case of the hardener. Use a grease-free skin protection cream. If spray or splashes get into the eyes, rinse thoroughly with water and seek medical assistance immediately.

Please observe the prevailing general safety and protection regulations together with the hazard and precautionary statements on the supply containers. Containers must be stored out of the reach of children, and children should also be kept out of the area during application.

After hardening the product is physiologically harmless.

Cured leftovers can be depolluted in an appropriate incineration plant.

EU-limit, according to Deco paint code (VOC-content): contains < 500 g/l (2010)

Giscode: RE 55

ADR class:

Base component A:	None
Hardener S and FH (B):	Class 8, III
Hardener FH Super(B):	Class 8, II



Our information about our products and equipment, as well as our systems and procedures, is based on comprehensive research work and technical experience. These results are provided, either verbally or in writing, to the best of our knowledge and experience, and we accept no further liability over and above that of the relevant contract in question. We also reserve the right to make technical changes and modifications during the course of product development. In addition, our Technical Service is available on request for further advice or assistance in the resolution of any technical or application problems. This does however not relieve the user of the responsibility to check our information and recommendations on his own responsibility prior to using the product for his own purposes. This applies - particularly in the case of foreign deliveries - also with respect to the protection of the proprietary rights of third parties, as well as for applications and procedures not specifically specified by us in writing. In the event of damage, our liability is restricted to replacement to the same degree or extent, as defined in our General Sale Conditions (available on www.cds-polymere.de).