

CSM-120 Rapid Floor Patch Repair Mortar

Description

KPRO CSM-120 is a rapid setting floor patch repair mortar specifically formulated for internal and external use. CSM-120 is a self-compacting repair mortar that can be used in a wide range of applications between 10mm and 100mm in depth. For applications greater than 50mm CSM-120 can be bulked out with a 30% addition of Kilsaran 3-5mm grit. Greater depths are possible using a layer on layer method. KPRO CSM-120 meets the requirements of EN 13813 for screeding mortars.

Applications

CSM-120 is suitable for use on suitably prepared concrete surfaces in the following applications:

- Internal and external repair to cementitious floor screeds
- Localised reinstatement of areas of screeds and concrete slabs
- Repairs to concrete stairs, steps, and reconstruction of their edges
- Filling and patching of chases and holes in concrete floors
- Repairs to concrete pavements, ramps, and parking areas

Product Use

Preparation:

Suitable for use in temperatures between +5°C and +30°C. Substrates should be clean, dry and free from all dust and grease. Dampen substrate surfaces prior to installation, ensuring to avoid saturation. Cut back the area to be repaired to provide a straight edge with a minimum depth of 10mm (do not feather edge the material). Priming is not typically required on roughened surfaces, however on smooth, dense or very absorbent substrates the use of a bonding agent is recommended. Expose and remove any corroded steel in the area to be repaired. Remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition, including the back of exposed steel bars, using an abrasive-blasting technique. If corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after abrasive-blasting to remove corrosion products from scratches and depressions of the steel surface. Prime the prepared steel (if present), using a brush, with KPRO Repair-PRIMEX, ensuring complete coverage and allow to dry.

Mixing: This product only requires the addition of clean potable water. Add the contents of a 25kg bag to 3.75-4.00 litres of clean potable water. Mix the material for 1-3 minutes in a suitable drum mixer or by using a suitable paddle mixer until a stiff mortar consistency is achieved. Using excess water will affect the overall performance of the product. Only mix enough material to allow application/installation within 5-10 minutes. For applications greater than 50mm CSM-120 can be bulked out with a 30% addition of Kilsaran 3-5mm grit.

Placing:

CSM-120 should be placed and finished within 5-10 minutes of mixing. Once mixed, place the fresh material onto the prepared substrate and trowel firmly into position ensuring full contact with the substrate is made. Once the material has stiffened finish the surface with a wet trowel.

Curing:

Should be as per standard practices for cement based products. Repair mortar should be protected from strong sunlight and cold weather.



Benefits

- Pre-mixed product only requiring the addition of water
- Rapid Setting and Rapid Strength development properties
- Excellent bond to concrete surfaces
- High abrasion resistance
- Chloride free

Approximate Yield

Coat Thickness	m ² per 25 kg bag
10mm	1.20
20mm	0.60
40mm	0.30
60mm	0.20
80mm	0.15
100mm	0.12

Application Temperatures



+5°C to +25°C

Health & Safety

Please refer to the relevant Material Safety data sheet online at www.kilsaran.ie.

Pack Size

- 25kg premixed bags

Get in touch



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Technical Data

KPRO CSM-120 is tested and marketed in accordance to CPR 305/2011 and complies with classification CT-C50-F8 according to EN 13813 for screed materials.

Characteristic		Data value	
Strength		Flexural	Compressive
	1 hour	≥ 4.0 N/mm ²	≥ 15.0 N/mm ²
	2 hour	≥ 5.0 N/mm ²	≥ 20.0 N/mm ²
	1 day	≥ 5.0 N/mm ²	≥ 35.0 N/mm ²
	7 day	≥ 6.0 N/mm ²	≥ 45.0 N/mm ²
	28 day	≥ 8.0 N/mm ²	≥ 55.0 N/mm ²
Working Life	10 mins		
Initial Set	10 mins		
Final Set	30 mins		
Minimum Depth	10mm		
Maximum Depth	100mm		
Maximum Bay Size	4m ²		
Trafficking Time (@ 20°C)	Pedestrian	60 mins	
	Light Vehicular	120 mins	
	Heavy Vehicular	240 mins	



Kilsaran Concrete,
 Piercetown Dunboyne Co. Meath Ireland
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EN13813
 Cementitious Screed Repair Mortar for use internally and externally,

Compressive Strength	C55
Flexural Strength	F8
Resistance to Fire	Class A1
Release of Corrosive Substances (pH)	CT
Water Permeability	NPD
Water Vapour Permeability	NPD

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