CORMIX®

Condur ® 41

A 2 COMPONENT EPOXY RESIN PATCHING MORTAR

DESCRIPTION

A solvent free 2 part epoxy resin thixotropic patching mortar consisting of a resin and hardener containing especially selected fillers. On mixing a multifunctional epoxy adhesive & repair mortar is produced.

USES & ADVANTAGES

Condur 41 is an easy to apply epoxy mortar with medium size fillers allowing for various uses, these include: - repair of precast elements, finishing of I beam ends, repairing damaged concrete edges, providing an abrasion resistant lining, vertical & overhead repairs, also use as an adhesive.

Advantages include:-

- Easy to apply to precast elements & edges of concrete.
- Good build.
- Excellent adhesion.
- Abrasion & impact resistance.
- Excellent strengths.
- Suitable for both dry & damp surfaces.
- Uneffected by high humidity.
- Coloured components to ensure good mixing.
- Good chemical resistance.

PROPERTIES

Colour: Part A - Off yellowish white thixotropic paste.
Part B - Off yellowish black thixotropic paste.

Density: Approx. 1.9-2.1 kg/litre

Mixing ratio: Part A : B = 2 : 1 by weight
Part A : B = 2 : 1 by volume

Pot Life:

Temperature °C	6 kg set
40	30-40 min.
30	60 min.
20	90 min.

Note: *To obtain maximum pot life, spread* ***Condur 41*** *into a thin (less than 10 mm.) layer immediately after mixing.*

Compressive strength:	60-64 N/mm^2 @1 day
ASTM D695	70-75 N/mm^2 @7 days
	78-82 N/mm^2 @28 days
Flexural strength:	25-35 N/mm^2 @ 28 days
Bond Strength:	>13 N/mm^2 at 28 days
ASTM C882	
Setting Time:	Approx. 3 hrs @25°C
@15mm thickness	

Data quoted is typical for this product and does not constitute a specification.

Note: *To obtain performance characteristics stated in this data sheet, the mixing ratio must be maintained.*

SURFACE PREPARATION

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by scabbling or light bush hammering to provide a sound substrate. Concrete must be at least 14 days old prior to treatment. Steel surfaces should be grit blasted to white metal. Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to grit blasting.

PRIMING

Surfaces to receive **Condur 41** should be well primed with **Condur EA2** first.

MIXING

Care should be taken to ensure that **Condur 41** is mixed thoroughly. The hardener and the resin components should first be stirred separately to disperse any settlement. The entire contents of the hardener tin should then be poured into the resin tin and the two components mixed thoroughly using a low-speed drill and paddle for at least 2 minutes until a uniform colour is obtained.

APPLICATION

Apply the mixed **Condur 41** with a notched trowel, putty knife, caulking gun, etc. depending upon the application. Bonded surfaces should be held rigidly together until the **Condur 41** has set.

COVERAGE RATES

Approx. 2 kgs/m^2/mm thickness.

CLEANING

Clean all tools immediately after use with thinner.

PACKAGING

6 kg set (A+B).

STORAGE & SHELF LIFE

Condur 41 has a shelf life of 12 months when stored in a dry place below 35°C in unopened containers.

HEALTH & SAFETY

Prolonged and repeated skin contact with epoxy resins and curing agents may cause dermatitis in persons sensitive to these products. Gloves, barrier creams, protective clothing and eye protection should be worn when handling these products.

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting-give a glass of water. If in eyes, hold eyes open, flood with water for at least 15 minutes. If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.
ISO 14001 : 2015 verified by Lloyd's Register International.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.
Cormix does not take responsibility nor need to defend others testing that does not achieve the published data.
The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product.
Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

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