



The Chemical Company

CONCRESlVE® 1488

Polyester resin bonding paste

DESCRIPTION

CONCRESlVE 1488 is a two part, polyester resin based, self curing, bonding paste that bonds to most building materials. The formulation permits varying the ratio, within a range, of the two components while mixing to change pot life and to achieve the desired consistency.

The two parts are distinctively coloured to facilitate proper mixing - a White coloured Part 'A' and a Black coloured Part 'B', which on correct mixing yields a uniformly grey coloured bonding paste.

FIELDS OF APPLICATION

CONCRESlVE 1488 is recommended for use both as a thin layer adhesive and as a paste for re-profiling shallow voids. Examples of application are :

- sealing cracks before injection grouting.
- bonding injection nipples.
- localised thin layered repairs such as broken stair case
- noses, corners of columns, etc.
- re-fixing debonded tiles.
- bedding and pointing
- acid resistant tiles.

CONCRESlVE 1488 is not recommended for large volume repairs and for areas exposed to over 40°C with sustained load conditions.

FEATURES AND BENEFITS

High strengths	Durable repairs.
Quick setting	Faster repair. Reaches the strength of normal concrete in 2 hours.
Bonds to most materials.	Versatile. Can be used in a wide variety of situations.
Acid resistant	Advantage in environment exposed to acid spillage.
Different coloured components	Visual indication of correct mixing. Avoidance of blending errors.
Bonding properties independent of mix ratio	Can vary mix ratio to achieve the required consistency and adjust the setting time to suit the ambient conditions.

TYPICAL PERFORMANCE DATA

Bond to concrete (after 7 days cure) : 1.5-3.0 N/mm².

PROPERTIES

	Part A	Part B
Supply form	Paste	Paste
Colour	White	Black
Application temperature	5°C – 40°C	
Full cure	24 hr	

APPLICATION

Surface preparation

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound, clean, and free from loose particles, oil, grease, or any other contaminants.

Remove oil grease and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning. Cement laitence, loose particles, mould release agent, curing membrane, and other contaminants must be removed from the surface by scarifying or gritblasting followed by vacuum cleaning or water blasting.

In case of application on steel surfaces remove grease and oil with suitable industrial grade cleaning and degreasing compounds. Remove rust and mill scale by gritblasting. Blast steel to white metal followed by vacuuming or blowing clean using oil-free compressed air.

Mixing

Mix only quantities that can be consumed within the pot life of the product to avoid wastage (part mixing is allowed). Mix Part A and Part B together until the streaks of black and white disappear to yield a homogenous grey mixture. **CONCRESlVE 1488** can be mixed by hand.

Note : The pot life depends upon the proportion of Part B in the mix which can be fixed based on trial mixes.

Placing

Apply **CONCRESlVE 1488** within its pot life.

Bonding : Trowel apply **CONCRESlVE 1488** to a thin layer so as to allow for a small quantity of the bonding paste to extrude out of the bond line when pressure is applied to the two surfaces.

For effective bonding, the treated surfaces should be brought together within the open time of the product and retained in position until **CONCRESlVE 1488** cures.

Fixing flange type injection nipples : Spread a layer of **CONCRESlVE 1488** by spatula over the roughened flange base of the nipple taking care not to deposit any adhesive into the injecting port. Press the flange over

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crack with the injection port aligned over the crack opening, such that the adhesive paste extrudes out of the tiny holes in the flange base. Hold the nipple in position until the bonding paste sets.

Sealing cracks : Apply the mixed paste onto the cracked area using a trowel. Press firmly to wet the surface.

CLEANING

Clean the tools and equipment first with rags, then wipe off using a solvent such as acetone or methylene chloride before the bonding agent hardens. Cured **CONCRESlVE 1488** can be removed from tools mechanically first, then by dipping them in methylene chloride.

ESTIMATING DATA

Each pack yields 1 L on complete mixing.
Therefore, one pack can cover 1 m² at 1 mm thickness.

PACKAGING

CONCRESlVE 1488 is available in 1 L sets consisting of :

- Part A : 0.9 L
- Part B : 0.1 L

SHELF LIFE

CONCRESlVE 1488 can be stored in unopened original packing for 12 months, if stored at a temperature below 35°C.

PRECAUTIONS

Health : **CONCRESlVE 1488** contains certain chemicals which can cause skin irritation if exposed and respiratory reaction if inhaled. Wear gloves, masks and use barrier creams while handling the product. Wash thoroughly after handling.

Should skin contact occur wash immediately with soap and water, or an effective hand cleaner.

In case of accidental eye contact wash with copious quantity of water and seek medical help immediately. If ingested, do not induce vomiting. Consult doctor immediately.

The vapours of solvents used for cleaning can be irritating. It is therefore recommended that cleaning is done in a well ventilated area.

Fire : Product is flammable. Avoid exposure to naked flame. Do not smoke while handling the product.

For Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

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