

# CRESPLUG HB

Quick Setting Cemenetitious Plugging Compound

## Description

**CRESPLUG HB** is a quick setting hydraulic cement compound used to instantly stop running water or seepage in masonry or concrete. It is ready to use and requires only the addition of water before plugging and sealing active leaks.

## Uses

- ❖ Concrete and Masonry walls and floors.
- ❖ Stops active water or seepage under pressure through joints, cracks and holes in concrete or masonry.
- ❖ Interior and exterior areas for vertical and horizontal applications.
- ❖ For sealing cracks and construction joints in reservoirs and other water-retaining structures.
- ❖ Repairing honeycombs, cracks and joints.
- ❖ It is effective in sealing water leaks through concrete, concrete block walls, brickwork, earthenware and almost all types of stones and masonry.

## Advantages

- ❖ Chloride free, will not promote corrosion of reinforcement.
- ❖ Single component, only mixed with water.
- ❖ Stops active water leakages by setting instantly.
- ❖ Easy to use, no special equipment required.
- ❖ Very fast setting with rapid strength development.
- ❖ No cracking & No shrinkage.

## Technical Properties

Description	Value	Standard
Color	Grey	-
Pot life @ 25 °C	20 to 40 seconds	-
Initial setting time @ 25 °C	40 to 60 seconds	ASTM C266
Final setting time @ 25 °C	2 to 4 minutes	ASTM C266
Application Temperature	5 °C to 35 °C	-
Mixing Ratio	3.2 Parts Powder, 1 Part Water	-

All values given are subject to 5-10% tolerance.

## Surface Preparation

Application surfaces must be structurally sound, free of loose or deteriorated concrete, free of dust, dirt, paint and other contaminants. Cracks or cavities to be sealed may need to be enlarged to increase the bonding area. Where surface contamination exists, concrete surfaces should be prepared by water blasting, girt blasting or wire brushing in the area of the leak in order to remove the laitance in preparation to receive the CRESPLUG HB.

## Mixing

Mix 3.2 parts of CRESPLUG HB with 1 parts of clean water (3.2 kg of CRESPLUG HB with 1 kg of water). Mix to a stiff paste in a suitable mixing vessel, using a trowel or gloved hand. Do not mix it for more than 20 seconds. Due to the rapid set characteristics of the product, only prepare a quantity of mortar which can be placed within the prescribed set time. Mix the product with clean water to form a stiff paste and fill the void by pressing the paste into the damaged area for a minimum of 25 seconds for the pressurized water area & for the non pressurized water area apply the stiff paste in cracks and small holes & remove the hand which sets instantly. Once set remove excess material by cutting surface with a trowel or by scraper.

TECHNICAL DATA SHEET

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## Cleaning

All the tools and equipments must be cleaned by water after the application. After CRESPLUG is hardened, it can only be removed from the surface mechanically.

## Coverage

Coverage varies depends upon the water leaks.

## Packing

5 kg, 10 kg and 15 kg Pail.

## Storage

Material must be stored in a covered area, away from direct sunlight and protected from extreme temperature. Must be protected from moisture and frost conditions.

## Shelf life

Shelf life is 12 months in sealed original containers under recommended storage conditions. Once opened the material should be used as soon as possible.

## Health & Safety

CRESPLUG HB is based on cement and thus can be irritating to the skin and eyes. Gloves and eye protection should be worn. As with all chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thoroughly washing with clean water. If ingested seek medical attention.

## Disclaimer

*Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable, care is taken compiling this technical data sheet, all recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to satisfy them that each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.*

\*Refer material safety data sheet (MSDS) for further information.

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