



ULTRA-FAST SETTING AND CURING HYDRAULIC BINDER FOR STOPPING WATER LEAKS.

PRODUCT DESCRIPTION

Water Stop is a pre-blended powder binder composed of high-strength cements and special admixtures. Water Stop contains no chlorides. Mixed with water, Water Stop forms a paste with a plastic-thixotropic consistency easy to apply even on vertical surfaces, with no need for formwork. Water Stop has a very fast setting time about two minutes at +20°C and, after curing, has very high compressive and flexural strength after only half an hour.

FIELD OF APPLICATION

- Stopping water leaks in basements, subways and below grade structures in general.
- Stopping water leaks in tanks above ground.
- Waterproof sealing of rigid joints between walls and floor slabs.
- Waterproof sealing of cracks and holes.



SUITABLE SUBSTRATES

- Concrete

LIMITATIONS

- Do not add lime, cement or gypsum.
- Do not leave drums of exposed to sunlight before using..

APPLICATION PROCEDURE

A) *Preparing the substrate*

Sealing water leaks

- Enlarge the cracks or dovetail holes so that the wider part is towards the inside. The minimum external sizes must be about 2 cm in width and 2 cm in depth.
- Remove any incoherent material from cavities.

Waterproof sealing of rigid joints

- Remove any degraded or loose material and clear all dust by means of compressed air.
- Thoroughly wet the substrate with water. Before sealing, wait until any excess water has evaporated. Compressed air or a sponge can be used, if necessary, to facilitate the removal of unabsorbed water. The ideal condition would be a cavity saturated with water but with a dry surface.

B) Preparing the product

While stirring, pour 1 kg of Water Stop into a container holding 280 g of water and mix manually with trowel to obtain a smooth mix with no lumps. Due to the fast setting time prepare only enough of the product for use within one minute.

C) Applying the product

- Stopping water leaks: Mold Water Stop manually into the shape of a cork, wait a few seconds until mix begins to cure, then force product into crack or hole. Keep under pressure for 2-3 minutes until set. After this, remove any excess material with a sandpaper disk or abrasive wheel. With multiple leakages, begin applying Water Stop from the top.
- Waterproof sealing of rigid joints: Work Water Stop mix into cavity with trowel or float immediately after preparation. Keep surface damp for the first 15-20 minutes.

COVERAGE / CONSUMPTION

The consumption is approximately 1.8 kg per 1 dm³ cavity.

PACKAGING

Water Stop is supplied in:
– 3kg and 25 kg paper bags COMP. A

SHELF LIFE-STORAGE

Original sealed packaging of this product is guaranteed to be of first quality for 12 months. Areas with high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

Water Stop contains cement that, when in contact with sweat or other body fluid, causes allergic reactions to those predisposed and an irritant alkaline reaction. It can cause damage to the eyes. During the usage, wear protective gloves and goggles and take the usual precautions for handling chemicals. When in contact with skin or eyes, wash immediately with plenty of water and seek medical attention.

TECHNICAL DATA

Product identity

Consistency	Fine powder
Color	Gray
Bulk density (kg/m ³)	1100
Dry solids content (%)	100

Application data (at +23°C and 50% R.H.)

Mix ratio	grey
Mix ratio by weight	28 %
Consistency of mix	plastic
pH of mix	12.8
Minimum application temperature	+5°C
Pot life at +20°C	approx. 1 minute

Final performances

Flexural strength (N/mm ²)	
after 1/2 hour	4
after 1 hour	5
after 3 hours	5
after 24 hours	9
after 7 days	10
after 28 days	11
Compressive strength (N/mm ²):	
after 1/2 hour	18
after 1 hour	21
after 3 hours	26
after 24 hours	35
after 7 days	45
after 28 days	50



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