

# WATERSTOP FAST SETTING GROUT

## DESCRIPTION

WATERSTOP is a fast setting powder that, when mixed to a stiff-dough consistency with water, may be used to immediately arrest the seepage or flow of water through concrete voids.

WATERSTOP is used to stop flowing water, allowing waterproofing repair to be installed in leaking cracks, holes, joints or any place where water is penetrating a concrete structure.

## FEATURES & KEY BENEFITS

- Stops flowing water immediately
- Sets fast, in one to two minutes
- Easy to mix and apply
- Will set up and harden under water
- Has exceptional strength
- Does not contain any chlorides
- Safe for drinking water applications
- Can stop extreme leaks
- Works where all other products fail
- Lasts as long as the structure to which it is applied
- Exceptional durability
- Non-shrink, non-metallic

## TYPICAL APPLICATIONS

- Foundations
- Basement
- Tunnels
- Pipes
- Maritime projects
- Submarine works
- Elevator pits
- Concrete walls
- Concrete slabs
- Construction joints
- Marine structures
- Swimming pools
- Water treatment plants
- Channels
- Potable water tanks
- Parking structures

## APPLICATION GUIDELINES

The crack or hole to be treated should be chipped away to a minimum depth of 40 mm and width of 30 mm by undercutting or square cutting (not by v cut but by u chipping). Flush away all cuttings and dirt to form a clean washed surface.

Mix WATERSTOP with clean water only. Add approximately 4 parts powder to 1 part clean water by volume, just enough water to form a putty consistency.

Do not use more WATERSTOP than can be placed in 2 minutes, whilst allowing for only a 30 second mixing period. Place with minimum working or rubbing. Force the WATERSTOP into the crack or hole by pushing firmly; using maximum pressure. Keep damp for at least 15 minutes to help curing.

## COVERAGE

1 kg of WATERSTOP fill about half liter of cavity

1 kg/m use as part of the repair system

The coverages are theoretical and depend on other conditions.

## STORAGE

WATERSTOP should be stored at room temperature (min 5°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 2 years can be expected.

## PACKAGING

WATERSTOP is supplied in 20 kg pails

## TECHNICAL DATA

|                          |                       |
|--------------------------|-----------------------|
| Color                    | Dark Grey             |
| Appearance               | Powder                |
| Density                  | 1.9 g/cm <sup>3</sup> |
| Layer thickness          | 15 mm                 |
| Particle size            | 0-0.5 mm              |
| Initial set time at 25°C | 30 seconds            |
| Compressive strength     | 25 N/mm <sup>2</sup>  |
| Mix ratio                | 4:1 (By volume)       |
| Adhesion                 | >0.8 MPa              |
| Solids content           | 100%                  |

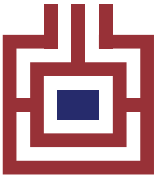
## HEALTH & SAFETY


This product becomes caustic when mixed with water or perspiration.

WATERSTOP should only be used as directed. We always recommend that the Health & Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection.

## DISCLAIMER

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product, as no warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous. Please check with your office to confirm that this is current issue: (May 2018).



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| <p>Manufactured For:<br/> <b>Concrete Aqua Guard Ltd. Teelin Rd, Carrick, Co Donegal. Ireland</b><br/>           17<br/> <b>1170/CPR/ER.03608</b></p> |   |
| <p><b>WATERSTOP</b><br/> <b>Principle 3</b> Concrete restoration<br/> <b>Method 3.1</b> Applying mortar by hand</p>                                   |   |
| <p>EN 1504-3<br/>           Products and systems for the protection and repair of concrete structures</p>   |   |
| <b>Essential characteristics</b>  | <b>Performance</b>  |
| Compressive strength  | Class R2 $\geq 25$ MPa                                      |
| Chloride content  | Class R2 $\leq 0,05$ %                                      |
| Adhesive bond   | Class R2 $\geq 1.5$ MPa                                     |
| Restrained shrinkage / expansion (dimensional stability) where required.<br>Not required if thermal cycling is carried out                            | NPD*  |
| Carbonation resistance (For durability of corrosion, protection or inhibition) where relevant   | NPD*  |
| Elastic modulus, where relevant   | NPD*  |
| Thermal compatibility. Freeze/thaw cycles   | Class R2 $\geq 0,8$ MPa                                     |
| Skid resistance, where relevant   | NPD*  |
| Coefficient of thermal expansion (only for polymer concretes) where relevant  | NPD*  |
| Capillary Absorption  | Class R2 $\leq 0.5$ kg/(m <sup>2</sup> x h <sup>0,5</sup> ) |
| Reaction to fire  | Class A1  |
| Dangerous substances  | NPD*  |

NPD\*. No Performance Determined