

# WATERGUARD A

Two component, acrylic based cementitious waterproofing coating

## BENEFITS

- Prepacked, easy-to-use waterproofing coating
- Ensures excellent waterproofing characteristics
- Excellent adhesion
- Flexible enough to bridge hairline cracks
- Allows surfaces to breathe
- Economical and cost-effective waterproofing system
- Minimum surface preparation needed
- Non-toxic and approved for potable water contact
- Good resistance to CO<sup>2</sup> and Chloride ion diffusion
- Easy application - brush applied

## DESCRIPTION

**WATERGUARD A** is a prepacked, two-component acrylic modified cementitious waterproofing coating for concrete and masonry. It can be applied on well-prepared, sound substrates to provide an extremely tough and durable waterproofing coating of 1.5-2 mm when applied with a glass fiber sheet (**WATERGUARD GRS**). **WATERGUARD A** must be used in conjunction with **WATERGUARD T** or **WATERGUARD WM(F)** where water under hydrostatic pressure exists. **WATERGUARD A** complies with **BS 6920** (Section 4.2.8 immersion test) and **ASTM C 307**.

## USES

**WATERGUARD A** is used for all structures that require waterproofing and protection against the ingress of moisture, such as basements, water tanks, swimming pools, retaining walls, bridge walls, roofs, terraces, balconies, lift shafts, reservoirs, dams, dock gates, etc. **WATERGUARD A** provides a tough and durable coating that cannot be easily damaged or worn out. **WATERGUARD A** can be used for structures that contain portable drinking water.

## PROPERTIES

|                     |                         |
|---------------------|-------------------------|
| Physical Appearance |                         |
| Liquid              | White                   |
| Powder              | Grey                    |
| Mixture             | Cement grey             |
| Mixed density       | Why this is not written |

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Pot life                | 40 min @ 25°C, 20 min @ 35°C                                 |
| Application temperature | 10°C to 40°C                                                 |
| Toxicity                | Non-toxic                                                    |
| Adhesion strength       | > 1N/mm <sup>2</sup>                                         |
| Tensile strength        | ~1.5 N/mm <sup>2</sup> after 14 days (as per ASTM2370)       |
| Elongation at break     | ~2% (with 2-3 coats of <b>WATERGUARD A+ WATERGUARD GRS</b> ) |

## APPLICATION

**1.Surface Preparation:** All leaks and water jets must be stopped using **CHEMCORE WATERPLUG**, plugging compound (refer to the relevant data sheet). The substrate must be sound, clean, and free from loose particles, laitance, or contamination, and preferably wire brushed. Seal/repair any cracks with **CRACKSEAL**. Stirring should be done during application.

**2. Mixing:** **WATERGUARD A** should preferably be mixed mechanically using an electric drill with a paddle attachment. Pour the liquid polymer into the container first and slowly add the powder while mixing continuously until an even, homogeneous mix is obtained.

**3. Application:** Thoroughly wet the prepared surface with water for absorption and remove any excess water. Apply **WATERGUARD A** in 2-3 uniform coats. The mixed **WATERGUARD A** will remain brush able for 20 minutes @ 35°C. Apply the second or subsequent coats after the previous coat has dried. Mixing in small quantities is recommended. For moderate and heavy load areas, a minimum 2 mm thick coating is recommended.

**4.Cleaning:** All tools must be cleaned with water immediately after use. Hardened material should be removed mechanically.

**5.Curing:** After application, it is essential to cure the **WATERGUARD A** applied surface for a minimum of 3-5 days for full cure and to minimize cracking.

## PACKING & COVERAGE

| Packing                         | Coverage                                 |
|---------------------------------|------------------------------------------|
| 18kg powder + 10 ltr liquid     | 16.5m <sup>2</sup> to 25m <sup>2</sup>   |
| 9kg powder + 5 ltr liquid       | 8.25m <sup>2</sup> to 12.5m <sup>2</sup> |
| 0.81kg powder + 0.45 ltr liquid | 0.75m <sup>2</sup> to 1.15m <sup>2</sup> |

Two or three coats are recommended

# WATERGUARD A

## SHELF LIFE & STORAGE

**WATERGUARD A** has a shelf life of 24 months in unopened containers when kept in dry conditions at a temperature between 5°C and 35°C. The material must be kept in a shaded area and away from direct sunlight. Storage at higher temperatures or high humidity may reduce shelf life.

## ADDITIONAL INFORMATION

For a trowelled finish, **WATERGUARD A** can be used as a primer, followed by **WATERGUARD T** or **WATERGUARD WM(F)**, which is to be trowelled on the tacky primed surface up to the required thickness (recommended thickness is 5 mm to 10 mm). Refer to the separate data sheet of **WATERGUARD WM(F)** for more information.

## HEALTH & SAFETY

**WATERGUARD A** is non-toxic but alkaline in nature. Any splashes on the skin should be washed off with water.

## SPECIFICATION

Supply and apply **WATERGUARD A**, a prepacked two-component acrylic modified cementitious waterproofing coating for concrete and masonry, manufactured in compliance with ISO 9001, ISO 14001, and ISO 45001 (Occupational Health and Safety) certified by ISOQAR/UK. The material has a pot life of 40 min @ 25°C and 20 min @ 35°C, with a tensile strength of approximately 1.5N/mm<sup>2</sup> after 14 days. This product has a coverage of 0.75 m<sup>2</sup> to 25m<sup>2</sup>, depending on the package. It is applied using a brush in accordance with the guidelines of CHEMCORE.

## QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO 14001 & ISO 45001 (Occupational Health and Safety) certified by ISOQAR/UK.

## TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our quality control laboratory and technical experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

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