AQUACHEM®

PRODUCT CODE:

3001 - Red BS 04 D 45	3017 - Blue BS 18 E 51	3020 White
3008 - Grey BS 00 A 05	3018 - Green BS 14 E 53	3021 Black BS 00 E 53
3006 Blue BS 18 E 50	3019 - Magnolia BS08B15	3040 Primer
3042 Grey BS 00 A 05 (I Litre)		

DESCRIPTION:

AQUACHEM is a series of water miscible, 2-pack, epoxy coating systems. **AQUACHEM** systems contain no solvents and therefore the Health and Fire hazards are minimised. **AQUACHEM is independently tested to BS 6920.** It is therefore suitable for coating any containers holding potable water. Cured **AQUACHEM** is non toxic to aquatic life and is suitable for fish farming equipment and tanks.

SPECIFIC USES:

1. Surface membranes.
2. Skid resistant surface for bridges and ramps.
3. Decorative Floor Coating
4. Hygienic coating for Food/Dairy/Factories/Warehouses and Workshop areas.

PACKAGING:

A standard **AQUACHEM** pack consists of 2 containers, the contents of which when mixed together will give 5 litres of coloured usable product. In the case of the primer/sealer the two containers will yield 4.5 litres of usable product.

PREPARATION:

All surfaces should be sound and free from grease, oil and contaminants. Steel should be clean and free from loose rust and millscale. Concrete must be sound and free from laitance and oil. **AQUACHEM** Primer contains an inhibitor to prevent flash rusting.
For further explicit information/individual substrate preparation, consult our **Technical Bulletin CR2 – Aquachem for Tanking** (ref TBCR2/4). If in any doubt refer to our Technical Department.

MIXING AND APPLICATION:

The contents of the **AQUACHEM** Base container should be added to the contents of the **AQUACHEM** Hardener container and mixed thoroughly. Mechanical mixing is recommended. If **AQUACHEM** is diluted the water must be mixed with the hardener before the addition of the base. DO NOT MAKE PART MIXES.

The mixed product should be applied by roller, or in the case of large surface areas by spray. The Primer coat may be over-coated when the initial milky appearance has cleared. In the case of tanking, second and third coats should be applied at 90° to previous coats.
Please note: The coating must be rolled/painted out evenly. Thick or heavy coats are not advisable. To obtain specific dry film thickness, multicoats are preferred.
In the case of **AQUACHEM PRIMER/SEALER** being used as a clear finishing coat it is essential that the coating is applied at no more than WFT: 75-100 microns, conducive with overall wetting of the surface.
The 2 mixed components of Aquachem **must** be used within the pot life of between 1 and 3 hours depending on temperature, volume of mixed material and humidity.

COVERAGE:

Coverage will depend upon the type and nature of the substrate. As a guide, 3-4m²/litre on concrete. 4-5m²/litre on steel. 4-5m²/litre on timber depending on porosity.
Practical film thickness/coat
AQUACHEM PRIMER 3040-4.5 litre pack - WFT: 75 - 100 microns. DFT: 65 - 85 microns.
AQUACHEM Coloured 3001-3022-5 litre pack - WFT: 100 - 125 microns. DFT: 80 - 100 microns.
*Wet film thickness (WFT) Dry film thickness (DFT)
AQUACHEM should not be used at temperatures below +5°C. The cure is considerably increased when RH is above 70%.

CURE SCHEDULE:

Overcoating of the primer is between 1 and 5 hours after primer application. Any external work must be protected against rain for 12 - 15 hours dependent upon relative humidity and temperature: Trafficking of complete system is possible 24 - 72 hours after the final application.

APPROVAL:

AQUACHEM conforms to the Water Research Council test requirements of BS 6920 for use in potable water situations.

CLEANING OF TOOLS:

Uncured **AQUACHEM** may readily be removed with warm water and soap. Mechanical methods are required to remove cured material**.**

The site conditions and equipment required when using individual Rotafix products are specific for each project.
Only advice given by Rotafix in writing will be considered as part of our contractual liability.

Epoxy resins and their associated curing agents can cause irritation to some people. Please take the necessary precautions indicated in the COSHH details available from our offices. Please read our Users Safety Guide on the Handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee insomuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.
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