



WATERPROOFING RANGE FIBRE FORCE

Fired Earth Damp X Fibre Force Waterproofing is a superior acrylic matt finish high build flexible fiber-reinforced waterproofing and all-weather resistant coating. **Fired Earth Damp X Fibre Force** Waterproofing serves as an anti-drum coating on air conditioning ducts. The material is applied as a thick liquid paste forming a seamless, decorative, and flexible membrane that prevents water penetration and extends the life of the roof or structure.

FEATURES & BENEFITS

- Extremely tough and flexible
- Very good resistance to abrasion, impact, and stone chipping
- Applicable to less accessible locations, moulds to sharp & intricate contours
- Non-toxic & Environmentally friendly
- Forms a watertight fiber-reinforced system
- Single component
- UV resistance
- Resists extreme temperatures.
- High strength, elasticity and productivity
- Lead content, less than 90 ppm
- Sag resistance
- May be overcoated with most Fired Earth decorative paints.
- Serves as an anti-drum coating on air conditioning ducts.

USES

EXTERIOR

Suitable for new and redecoration work. Waterproofing system of properly prepared parapet seamless areas of walls, capping, flat roofs, masonry walls, primed substrates; galvanised steel, concrete, fibre cement, cementitious tiles, non-traffic flat areas, timber, building boards, and for intricate waterproofing tasks. It also waterproofs joints and flashings, (used in conjunction with a non-woven polyester fabric (Geomembrane).

PRODUCT INFORMATION - PHYSICAL & TECHNICAL INFORMATION

PHYSICAL FORM:	Viscous milky liquid containing emulsion
COLOUR	Standard Colours
FINISH	Low sheen
POLYMER TYPE	Modified acrylic latex
DRYING PROPERTIES	Touch dry 2 hours
RECOATING TIME	Over coating time 12 hours-depending on temperature conditions @ 23°C
FLASH POINT	Not flammable in liquid form
MASS SOLIDS	48% ±2%
VOLUME SOLIDS	34% ± 2%
S G at 23 PC	1.3±0.05 Kg/L
PACKAGING	5ℓ & 20ℓ
THINNING	No thinning required; product is supplied ready for use
CLEANING	Do not allow the product to dry on equipment. Equipment is readily cleaned using water or when CLEANING dry mineral turpentine, lacquer thinners or cleaning solvent

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DO NOT PAINT IF

IF THE TEMPERATURE IS BELOW 100C OR ABOVE 350C
IF THE SURFACE IS DAMP (MOISTURE READING ABOVE 15%)
IF IT IS RAINING OR RAIN IS FORECAST
BEFORE 9H00 AND AFTER 16H00 IN THE WINTER

IMPORTANT

- It is important that for each new project the integrity and soundness of surface is inspected, that a sample test area be tested for adhesion ahead of time. It is advised to take in consideration the local weather condition such as ambient temperature and air humidity during the application of the material, and after the application until the material is dry to its full depth. Avoid freezing temperatures or excessive moisture on the material before it is dry to its full thickness (full cure).
- If it rains between coats of FIRED EARTH DAMP X FIBRE FORCE Waterproofing, allow at least 48 hours drying time @ 23°C to ensure thorough drying before applying any further coats. If there is any rain damage to the coating, apply two coats according to the application specification.
- Do not apply where ponding of water may occur.
- Not suitable for slurry, slate, or clay tiles, shingle and bitumen roofs.
- Repaired and reinstated weak concrete and surface defects.
- The waterproofing system should be inspected after 3 years and a maintenance topcoat should be applied if necessary.
- Allow curing for at least 14 days.

SURFACE PREPARATION

New Surfaces

Ensure surfaces are dry (10 % moisture maximum), in sound condition, clean and free from any contaminants such as dust, dirt, rust, salt, algae and grease. Remove all loose materials mechanically, with a wire brush, or by water or sand blasting, then thoroughly clean surfaces with Multi-Prep Surface Cleaner. Metal surfaces must be free of rust. Metal or galvanized surfaces must be primed with quality anti-corrosive metal primer or metal etch primer. (Prime metal fasteners (screw/nail heads) with metal primer). Cement, masonry, plastered walls, concrete, fibre cement, cementitious tiles, timber and building boards apply one coat FIRED EARTH Plaster Primer solvent based or FIRED EARTH Nano-Tech Plaster Primer water based.

Raw brick walls apply one coat FIRED EARTH BONDING LIQUID solvent or water based, then apply one coat FIRED EARTH Plaster Primer solvent based or FIRED EARTH Nano-Tech Plaster Primer water based.

PREVIOUSLY PAINTED SURFACES

Ensure surfaces are dry (10 % moisture maximum), in sound condition and clean. Remove all loose materials mechanically, with a wire brush, or by water or sand blasting, then thoroughly clean and surfaces with Multi-Prep Surface Cleaner free of and free from any contaminants such as dust, dirt, rust, salt, algae and flaking paint. Restore to a sound strong surface before repainting.

Friable previously painted acrylic surfaces after cleaning, apply one coat FIRED EARTH Plaster Primer solvent based or FIRED EARTH Nano-Tech Plaster Primer water based. Friable previously painted enamel surfaces, after cleaning, apply one coat FIRED EARTH BONDING LIQUID solvent or water based.

Bare metal or galvanized surfaces must be primed with quality anti-corrosive metal primer or metal etch primer. (Prime metal fasteners (screw/nail heads) with metal primer).

2. First Coat:

Apply undiluted of FIRED EARTH DAMP X FIBRE FORCE Waterproofing at a uniform wet film thickness of 1400 µm or 0.7 – 0.6 m²/L. Allow drying for at least 12 hours before continuing.

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3. Second coat:

Apply a second coat undiluted of FIRED EARTH DAMP X FIBRE FORCE Waterproofing at right angles to the first coat, at a uniform wet film thickness of 1400 µm or 0.7 – 0.6 m²/L.

4. Joints:

Embed non-woven polyester fabric (Geomembrane) into the first coat of FIRED EARTH DAMP X FIBRE FORCE Waterproofing and saturate while still wet with a fresh coating. This increases the film strength over joints.

SPREADING RATE:

OVERALL COVERAGE RATE

PRODUCT INFORMATION	Waterproofing; Horizontal surfaces.	Weatherproofing; Vertical wall surfaces.
Spreading Rate	0.7 m ² - 0.6 m ² p/l per coat. <i>Approx. per litre depending on surface porosity, profile and application method.</i>	1.17 m ² - 0.88 m ² p/l per coat. <i>Approx. per litre depending on surface porosity, profile and application method.</i>
Recommended DFT per coat	Min. 500 µm. Max. 600 µm	Min. 300 µm. Max. 400 µm
Recommended WFT per coat	Min. 1400 µm. Max. 1700 µm	Min. 850 µm. Max. 1150 µm
Coat Requirements	3 coats. Depending on application will more coats be required to achieve a minimum total DFT of 600 µm.	2 coats. Depending on application will more coats be required to achieve a minimum total DFT of 400 µm.

Precautions

Roof Slopes:

Make sure that the slopes are such that they prevent water from ponding (Minimum slope of 2 - 4°). Make sure that the slopes are even along the roof.

HEALTH & SAFETY

Keep paint away from children and animals. Never smoke, drink or eat while painting. Wear protective overalls, gloves and goggles. If accidental contact with skin should occur, wash immediately with clean water. Harmful if swallowed. Do not induce vomiting. Consult your doctor. Ensure good ventilation during application and drying. Store in a cool, dry place out of the sun.

DISCLAIMER ADVICE

The information given in this Product Information Sheet is based on controlled laboratory tests and many years of experience. It is given in good faith, but no guarantee of any performance characteristic is given or implied. Promac Paints cannot be held liable for consequential damage of whatsoever nature that may arise from the use of Promac products. Paint technology is continuously being developed and Promac Paints reserves the right to update product specifications without prior notice. Contact Promac Paints for further details.

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