



4-IN-1 STRONG COAT

Fired Earth 4 in 1 Wall coating system is a sealer, primer and top coat for use in all regions of South Africa for all types of occupancy classifications (SANS 10400; Table 1 of Regulations A (20 (1)), on sound, suitably prepared sound cured plaster, concrete, brick, fibre cement or sound previously painted prepared surfaces for interior or exterior surfaces.

FEATURES & BENEFITS

- 4 in 1 wall coating system, sealer, primer and topcoat
- May be used as a waterproofing product
- UV & all weather resistant
- Tough & highly flexible
- Alkali & water resistant
- Resists growth of mould & fungus
- Excellent adhesion
- Water clean up
- Lead less than 90 ppm

USES

4 in 1 Wall coating system is a flexible, modified acrylic sealer, primer and topcoat for interior or exterior walls. The product may also be used for waterproofing of plastered exterior parapets & cappings in conjunction with a reinforcing polyester membrane (Bidim).

PRODUCT INFORMATION - PHYSICAL & TECHNICAL INFORMATION

PHYSICAL FORM:	Non-flammable viscous liquid containing pigments and extenders
COLOURS:	Range of standard colours
FINISH:	Smooth, Matt
SPREADING RATE:	Approximately 3-5 m ² per litre per application
POLYMER TYPE:	Alkali-resistant acrylic copolymer latex
FILLERS:	Non-toxic extenders
PIGMENTS:	UV resistant iron oxides
DRYING PROPERTIES:	Surface or touch-dry: within 1 hour
RECOATING TIME:	2- 4 hours depending on conditions during drying
FLASH POINT:	Not flammable in liquid form
PACKAGING SIZES:	5ℓ & 20ℓ
THINNING:	Not recommended
CLEANING:	Do not allow the product to dry on equipment. Equipment is readily cleaned using water. (Some detergent may be added to water to facilitate clean up)
APPLICATION METHOD:	Supplied ready-for-use. Apply using a Synthetic PVA roller

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DO NOT PAINT IF

IF THE TEMPERATURE IS BELOW 10°C OR ABOVE 35°C
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

SURFACE PREPARATION

Ensure that surfaces are clean, free from dust, firm and completely dry.

Previously painted surfaces:

Surfaces which show even slight signs of flaking, must be completely stripped.
Surfaces that have algae must be sterilised with a recognised anti-fungal wash.

Preparation:

Ensure that surface is dry (15% moisture maximum), in sound condition, clean and free from any contaminants such as dust, dirt, rust, salt, algae and grease. Friable & gypsum surfaces, suitably prepared – apply Bonding Liquid as directed for use before continuing to ensure the surface is sound before applying 4 in 1 Wall Coating paint.

4 in 1 wall coating system application to walls:

Apply undiluted product to prepared surface. Apply at a spreading rate of 3 – 5 m² per litre per coat to achieve required film thickness.

Two coat application to walls:

Apply two coats undiluted product to prepared surface. Allow drying for at least 4 hours before applying second coat. Apply at a spreading rate of 3 – 5 m² per litre per coat to achieve the required film thickness to uniform finish.

Previously painted surfaces:

Surfaces which show even slight signs of flaking, must be completely stripped.
Surfaces that have algae must be sterilised with a recognised anti-fungal wash.

FIRELAB TEST RESULTS

TITLE:	Evaluation of the Basic Fire Properties of the Membrane (4 in 1 Wall Coating System) when tested in accordance with SANS 10177 - 9 test protocol
REQUESTED BY:	Promac Paints (Pty) Ltd, PO Box 75351, Lynnwood Ridge, 0040
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Membrane (4 in 1 Wall Coating System)	Specimen 1	Specimen 2	Specimen 3
Time to Ignition/Flaming (mm:ss)	Instant	00:04	-
Specimen burning after removal of burner at 12 seconds	No	Yes	-
Specimen burning after removal of burner at 24 seconds	Yes	No	-
Time to burn over entire length	-	-	-
Length of flame spread	80 mm	105 mm	-
Length of heat damage	180 mm	180 mm	-
Calibration temperature	9C	9C	-
Heat Contribution over 10-minute period	0.18C	0.25C	-
Maximum temperature in chimney (above calibration temperature)	1.8C	2.5C	-

The membrane (4 in 1 Wall Coating System) supplied by Promac Paints, propagated flame up to 105 mm and did not sustain flaming during the SANS 10177 – Part 9 test.

The coating is suitable for all applications on non-combustible substrates provided the application thickness is not more than 0,5 mm.

Should the product be used on a combustible material, a test must be conducted to determine the fire properties of the applied coating system.

COMPLIANCE WITH NBR - AGREEMENT REPORT

Table 1: Compliance with the National Building Regulations

Aspects of performance	Opinion of Agrément South Africa	National Building Regulations satisfied
<i>Fitness-for-purpose of materials used</i>	The quality and sustainability of materials are satisfactory.	The materials used in 4 in 1 Wall Coating System are deemed to satisfy the requirements of regulation A13 (1) (a) Part A: Administration
<i>Behaviour in fire</i>	Satisfactory. The 4 in 1 Wall Coating System is regarded as non-combustible when applied to a thickness of less than 0.5 mm and in accordance with the manufacturer's instructions to the substrates listed.	The 4 in 1 Wall Coating System is deemed to satisfy the requirements of regulation T1 (d), Part T: Fire protection, as regards the spread of fire and generation of smoke. Deemed-to-satisfy rule TT5.2 (c) , Sans 10400 has been met.
<i>Resistance to water penetration</i>	Satisfactory	Deemed-to-satisfy rule Kk17, Part K: Walls, has been met

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Table 2: Assesment

Aspects of performance	Opinion of Agrément South Africa	Explanatory notes
Bond strength and adhesion	Satisfactory. MOAT No. 33: 1986 The assessment of Masonry Coatings	Tested in accordance with the method described in the British Board of Agrément: Method of Assessment and Testing: MOAT No. 33: 1986. Surface preparation and application are important and must be carried out in accordance with Part 3 of this certificate.
Colour Stability	Satisfactory.	Agrément's opinion is based on knowledge of the materials and tests conducted to determine colour stability. Samples of the product were exposed to UV light in an accelerated weathering apparatus for 1000 hours. No chalking or other defects were detected on the samples.
Resistance to abrasion	The resistance of abrasion of 4 in 1 Wall Coating System is satisfactory	Agrément's assessment is based on the inspection of samples coated with this coating system and on the results of tests in accordance with ASTM D 2486-99. ASTM D 2486-99 <i>Scrub resistance of Interior Latex Flat Wall Paints.</i>
Durability	Satisfactory, where the coating system is applied to properly prepared wall substrates of the type specified on page 1 under description and use.	The 4 in 1 Wall Coating System is more flexible than an ordinary acrylic paint and can accommodate minor movement of substrate without cracking. The coating system can withstand frequent washing with water without deterioration, provided that a brush or roller is used. Mechanical damage or frequent abrasion to the top coat may result in a requirement for recoating at more frequent intervals.
Water vapour permeability	Satisfactory	The coating system was tested to be sufficiently water vapour permeable not to cause interstitial condensation in the wall.
Quality management system	The certificate holder's quality management system complies with Agrément South Africa's requirements.	When properly implemented, the quality management system will ensure that the quality of 4 in 1 Wall Coating System is consistently maintained. Agrément South Africa's requirements are based on SANS/ISO 9001 SANS/ISO 9011 Quality management systems - Requirements'

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HEALTH & SAFETY

Keep paint away from children & 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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