

Ultimate High Performance Masonry Coating AC1

● Product Information

DESCRIPTION

High performance, water-borne, exterior coating with outstanding anti-carbonation properties. High Moisture Vapour Permeability for use on substrates that themselves have vapour permeability, for example Wychert/Cob buildings finished in Lime Render.

USAGE/PURPOSE

For use as a weather-resistant protective and decorative finish for concrete, cement render, most masonry surfaces, and metals with a suitable primer (*please refer to Technical Service Department*).

CHARACTERISTICS

Environmentally friendly, water-borne formulation
Excellent opacity: easy to apply
Excellent adhesion to concrete, masonry and metals with suitable primer
Tested to BS 476 Parts 6 & 7 and meets Class '0'
Elastomeric and exceptionally flexible - moves with the substrate

PERFORMANCE

Outstanding CO₂ and other acid gas resistance
High UV resistance for lasting appearance
Dirt repellent
Waterproof and blister proof
Resistant to alkali, oil and grease
Outstanding resistance to weathering
Excellent R value at low film build
Moisture vapour permeable
Bright white colour is non-yellowing and enhances lux values

FINISH

Smooth, with a slight sheen.

COLOURS

Please contact the Technical Services Department for colour options.

ENVIRONMENTAL CONSIDERATIONS

Water-borne. Contains no added lead

PACKAGING

Can sizes: 5 Litres.

● Technical Specification

COMPOSITION

Pure acrylic dispersion in water with UV absorbers/fillers, and organic and inorganic pigments

NOTE: This product contains a fungicide/algaecide for the sole purpose of protecting the film

PROPERTIES

VOC content: 0g/l
Cat. C: 75g/l (2007)/40g/l (2010)

PERFORMANCE

CO₂ Permeability
(μ) value = 2.410.000
Air diffusion equivalent: R = 301 metres (at 125 micron dry film thickness). Test Certificate No. 2775*

Moisture Vapour Permeability

83.45 g/m²/24 hrs. So (m) = 0.533 (at 146 micron dry film thickness). Test Certificate No. 2759*

Accelerated Weathering

16,000 hrs. (*equivalent to 32-33 years external weathering*). Test certificate No. 4759*

Salt Mist to ISO 7253

3,800 hrs. Test certificate No. 6434^

Adhesion to ISO 4624

Test certificate No. 6434^

Washing / Scrub Resistance

USUBEL 5,000 reciprocal cycles
Test certificate No. 6434^

Fire

Class 1 to BS476: Part 7 (LPC Report TE80640) BS 476: Part 6 - Index of Performance (I) = 5, Sub-index (I1) = 0.3 LPC Report TE80636

Designated Class 0 as defined in the Building Regulations E15 (I) (e)

Research Laboratories

*Taywood Engineering Ltd. Taylor Woodrow Construction ^CENTRUM voor het EVALUEREN en TESTEN Van het MATERIEEL CEM - kwartier COST

● Surface Preparation

Remove all flaking and loose material back to a sound surface. Make good

any defective surfaces and leaking rainwater goods. Ensure all surfaces are clean, dry and firm.

If there is organic growth:

Remove with a stiff bristle (not wire) brush and apply a liberal coat of Glixtone Fungi-Shield Sterilising Solution.

If the surface is chalky or friable:

Apply Glixtone SF1 (CT10BB) Sealer & Stabiliser.

● Application

METHOD

Stir thoroughly before use. Apply two coats by brush, roller or spray. Ensure first coat is fully dry before applying second coat (see *Drying Time below*).

RECOMMENDED FILM THICKNESS

Wet: 167 microns per coat

Dry: 70 microns per coat

THINNING

Do not thin. Use straight from can.

COVERAGE

Dependent upon the porosity and texture of the substrate. Average 6m² per litre. (8m² per litre on smooth surfaces of average porosity).

DRYING TIME

Dependent upon weather conditions and average temperature. Usually dry and re-coatable in 2-4 hours. Drying will be retarded in conditions of high humidity

CLEANING

Clean all brushes, rollers and spray equipment with water immediately after use.

LIMITATIONS

DO NOT apply
- when there is a risk of rain or frost
- during excessively damp conditions
- when the temperature is below 5°

● Health & Safety Notes

Detailed information and guidance is provided in Material Safety Data Sheet for AC1. The following represents important selected information only:

Ensure good ventilation during application and drying
Avoid contact with eyes and skin

In case of contact with eyes:

Rinse immediately with plenty of water and seek medical advice

In case of contact with skin:

Wash immediately with plenty of soap water or a proprietary skin cleanser

When spraying:

- Do not breathe spray
- Wear suitable respiratory protective equipment
- Keep out of reach of children

STORAGE

Store in secure, dry conditions at temperature between 5° and 28°C.

Protect from frost. Containers should be kept closed during storage. Avoid spillage and contamination. Do not empty into drains and water courses.

SHELF LIFE

1 year in original, unopened container, if stored in accordance with recommendations above. Fully written model proprietary specifications for Glixtone products are available from the Glixtone Technical Services Department.

● **Specification**

Fully written model propriety specifications for Glixtone products are available from the Glixtone Technical Services Department.

● **Additional Information**

TECHNICAL ASSISTANCE

For further information, advice or guidance regarding any aspect of Glixtone products, please contact the Technical Services Department at the address below.

WARRANTY

As Glixtone has no direct control over the methods employed by the user in applying its products, any warranty either written or implied, is given in good faith and can only cover the material itself.