

SEAL FLEXIPROOF

The High Tech **Eco-Friendly** Exterior Thermal Insulation Coating
Improves efficiency and reduces energy costs



Technical Datasheet



FLEXIBLE WATERPROOFING



Ceramic Microspheres
Tech/Energy Saving



Waterproofs



Eco-Friendly



High Solar Reflectance



Many Colors Available

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Product description

Seal Flexiproof is a two-component elastomeric acrylic cementitious coating that is mixed on site to form a flexible waterproofing coating. Seal Flexiproof can be applied on concrete, masonry and most other surfaces by brush, roller or trowel. The coating provides a hard finish seamless surface and a barrier to protect from waterborne salts and atmospheric gases.

Seal Flexiproof is a standalone product that can be left as a finished surface or coated with mortars, paint, etc.. Seal Flexiproof can be applied to new and old substrates to provide a protective, waterproof coating.

Typical applied surfaces

- Concrete
- Masonry
- Metal / Galvanized Steel

Theoretical spread rate

1.8 kg / m² @ 1000 Microns

Approximate drying time

To re-coat: 4 hours, Fully dry 12 hours

Specific gravity

1.8 kg/L ± 5 ;

Equipment

Brush, roller, trowel or spray

Packaging size

5L Liquid + 15KG powder

Colours

Cement grey

Composition

Seal Flexiproof is composed of special cements, silica sand, fibers and fillers supplied in powder mixed together with a liquid component of blended acrylic copolymers and wetting agents.

Benefits

- Waterproof, suitable for water retaining structure and basements
- Breathable, water vapour preamble
- Durable, excellent resistance to UV attack
- Excellent protection against carbon dioxide, chloride ions and water
- Non-toxic, solvent free – environmentally friendly
- Cost effective, quick and easy brush or spray application
- Suitable for internal and external applications
- Excellent adhesion. Bonds to porous and nonporous surfaces.
- Flexible
- Chemical resistant
- Anti carbonation

Applications Types

- Swimming pools
- Sloped or flat roofs
- Marine and zoo
- Aquarium tanks
- Plaza decks and patios
- Balconies, parapet walls or planter boxes
- Mechanical rooms
- Underneath tile mortars in kitchens, bathrooms, etc.
- Water tanks and waste water treatment tanks
- Pile heads
- General construction waterproofing

Technical Specification

Type	Method	Results
VOC Content	BS EN ISO 11890:2	< 50 g/l
Adhesion Strength	ASTM D 4541-09	4.0 N/mm ² Concrete
Abrasion Test	ASTM D 1044-99	0.9% Before 2.85%
Water permeability		≤0.1kg/(m ² xh0.5)
Fire Retardant		Class A

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Recommended system

Primer: Seal Acroprime 1 Coat

Seal Flexiproof 1 coat @ 1mm thickness*

*thicker than 1mm, recommended to use mesh reinforcement

Product Mixing

Mix the 2 components:

A powder + B liquid, to obtain a creamy coating which can be applied with a brush, roller, trowel or spray machine. **DO NOT ADD WATER TO DILUTE THE MATERIAL.**

Recommended film thickness

Dry film thickness : 1000 microns (µm)*

* Film thickness can vary on different types of applications.

Surface preparation

The substrate must be sound, clean, and free from dust, oil, grease etc. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Drying times

The given below data must be considered as guidelines only. The actual drying time and time before recoating may be shorter or longer, depending on the ambient temperature, wind factor, film thickness, ventilation, and humidity.

Surface Temp.	10 °C	25 °C	40 °C
Surface (touch) dry	3h	1h	0.4h
Hard dry	10h	6h	3h
Dry for 2nd coat	4h	2h	1h

Application

Clean concrete with water and while there is still a visible damp but free from standing water apply the Seal Flexiproof mix with a brush, roller, trowel or spray. It is recommended each coat should not exceed 1mm thick and on large surface areas use a spray machine. If required to apply another coat wait until the first coat is dry.

Health and safety (MSDS)

Safety Data Sheets (SDS) are available from Seal Coatings to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. For further questions consult your Seal Coatings agent.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Disclaimer

The information in this document is given to the best of Seal Coatings knowledge, based on laboratory testing and practical experience. Seal Coatings are often used under conditions beyond Seal Coatings control. Seal Coatings or authorized distributors or agents across the globe cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Seal Coatings reserves the right to change the given data without further notice.

