



ARACO SEMI FLEX

CEMENT-BASED SEMI FLEX WATERPROOF FILM

Product Description

ARACO SEMI FLEX is a pliant waterproof made up of two components: advanced technology formulated cement based waterproof mortar added to enhance water-resistant liquid.

ARACO SEMI FLEX is available in grey and white colors applied on masonry, renders, concrete, and gypsum boards. meets the requirements for ASTM D 4541; D 870.

Applications

ARACO SEMI FLEX is a high performance cement base waterproofing film for the following application: -

- Different kinds of tanks and reservoirs.
- Concrete crack water leaks.
- Swimming pool.
- Drinking water tanks.
- Treatment plants.
- Tunnels.
- Terraces and damp areas.
- Protection of concrete from carbonation.

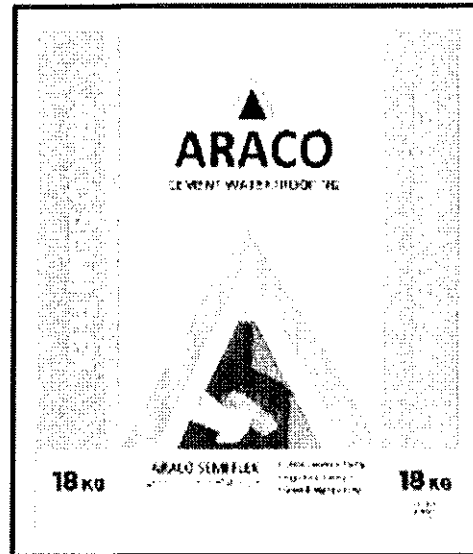
Product Advantages

- Excellent workability.
- Waterproof.
- Crack-bridging.
- Water resistant.
- High bond strength ensures excellent adhesion.
- Non-Toxic.
- Very Easy to use (no Water is required)
- Resistance to aging.
- For direct contact with drinking water and sewage, issued by the Egyptian National organization for water and sewage

Product Data

Characteristics

| | |
|-------------------|---|
| Composition | Hydraulic binders, special fillers and polymers. |
| Appearance | Grey or White Powder + Liquid |
| Storage Condition | Store in a dry area between 5°C and 35°C. Protect from direct sunlight |
| Shelf Life | 12 months minimum from production date if stored properly in original unopened packaging. |



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PACKAGE 18 kg powder + 7kg liquid.
Consumption 1.5-2 Kg /m² for 2 coats

Surface Preparation

Substrate must be clean and free of all foreign or contaminating materials such as oils, grease, curing compounds and dust, loose aggregate or sand particles. Existing construction joints are opened longwise in a V shape to a depth of about 3 cm and are subsequently filled and corners like wall to floor junctions should be filled and smoothly rounded with **Araco Rep TX** or a cement mortar improved (fillets having a triangular cross-sectional area with sides of 4-5 cm). Moisten the surfaces few hours before applying **ARACO SEMI FLEX**.

Product Application

Pre-soak the surface with clean water and then allow surface to dry then Mix **ARACO SEMI FLEX** two-component powder and liquid with an electric drill with low rotation speed for 3 minutes until a lump free homogeneous paste is obtained. Application is done through two layers or more, each coat not more than 1 kg/m² to fill surface, especially where holes or crack appears, wait to dry then apply second layer coating in the opposite direction with proportion 0.5 to 1 kg/m².

ARACO FOR BUILDING MATERIALS AND CONTRACTING

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TECHNICAL DATA

| | | |
|---|-----------------------|-------------|
| Tensile Strength | 0.8 N/mm ² | EN 1542 |
| Elongation | 40% | |
| Bond strength (Pull out Test) | >1.5 MPA | ASTM D 4541 |
| Water absorbed | 80 % | ASTM D 870 |
| Water penetration at 3 bar | Pass | DIN 1048 |
| Crack-bridging | 0.4 mm. | |
| Movement when reinforced With fiber Mesh | up to 1.2 mm | |
| Pot Life | 60 minutes at 25 C° | |
| Drying time | 120 minutes at 25 C° | |

DURABILITY AGAINST (CURING)

| | |
|----------------------|---------------------|
| Condition | Minimum curing time |
| Rain time | 4 hours |
| Walking | 1 day |
| Tile fixing | 1 day |
| Water under pressure | 7 days |

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to hands. In contact with eyes or mucous membrane, flush immediately with plenty of warm water and seek medical attention without delay.

Legal notes

The information, recommendations and application - based on ARACO current knowledge and experience of the products when properly stored, handled and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and are sold subject to its standard conditions. Users should always refer to the most recent Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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