



OVERVIEW

GRIPFLEX 24 is a two component acrylic Polymer modified cementitious flexible water proofing system based on selected liquid polymer and powder. GRIPFLEX 24 is widely used for water tightness works, protection of concrete, water proofing of masonry structures, marble and other construction materials. It gives excellent results in providing barrier for waterborne salts and chloride attacks.

APPROPRIATION

- General construction water and damp proofing, basements
- For swimming pools, lift holes, spill ways bathroom slabs, kitchen slabs and other wet areas
- Water and damp proof lining for water retaining structures
- For water proofing of drinking water reservoirs, both interior and exterior
- To provide protection for concrete against carbonation and chloride attack
- For coating in sea water foundation protection
- Water proofing coating for roofs and tunnels
- Marine walkways, sea water channels, etc.
- Water proof background mortar for tiles and marble, granite etc.

CHARACTERISTICS

- Good adhesion to almost all surfaces
- Non toxic, so suitable for potable water
- Hard wearing and seamless
- Excellent water proof and flexible in nature
- Resistant to positive and negative pressure
- Resistant to carbon dioxide and chloride diffusion and forms an anti carbonation film
- Applicable on a day old concrete structures

PRODUCT MANAGEMENT

SURFACE PREPARATION:

The surface must be clean and free of oil, grease, dust and any other unwanted residual material. The surface to be treated should be thoroughly wet prior to application (no standing water, though).

MIXING:

The material is supplied in two parts, and pre-measured. On-site mixing is needed. Slowly add the powder to the liquid and mix using a slow speed drill fitted with a Suitable paddle. Do not mix more materials than that can be used within 45 minutes. The appearance of the material will be creamy consistency. Do not add water at any stage to get the material loose.

METHOD OF APPLICATION:

GRIPFLEX 24 can be applied by a brush or roller to form a water proof and flexible membrane. Apply the first coat with sufficient thickness to cover the holes, cracks etc., completely at a rate of 1.2-1.5 kg / m². Once the first coat is dry apply second coat in order to achieve the required thickness at an average rate of 0.8 to 1 kg / m² per coat. Fiber reinforced mesh can be placed into the first coat when still wet and prior to the second coat application to the areas where joints are coming. For general protection it is recommended that each coat should be a minimum thickness of 1 mm.

COVERAGE:

2kg / m² / mm in two coats

CLEANING:

All tools should be cleaned with water.

GRIPMIX provides an extensive range of products and services for most concrete and finishing needs. Please contact the GRIPMIX for Building Construction Materials Trading LLC-Dubai for further information, samples, demonstrations and instructor services. The information presented in this leaflet is based upon laboratory research, as well as comprehensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on GRIPMIX's current state of knowledge and is intended to provide general information on GRIPMIX's products and their methods of use. The potential user is recommended to determine the suitability of GRIPMIX's suggestions and products before adopting them on a commercial scale.



GRIPFLEX 24

Acrylic Polymer modified two component
cementitious flexible water-proofing system

PACKING & STORAGE

GRIPFLEX 24 is available in **20 kg** kit

Part A (Powder): 15 kg

(Selected cements, graded polymer, silica and fillers)

Part B (Liquid): 5 kg

(Modified acrylic copolymers) For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage tanks. GRIPFLEX 24 should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

HEALTH & SAFETY

GRIPFLEX 24 contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each GRIPMIX product.



TECHNICAL DATA AND PROPERTIES

Product	GRIPFLEX 24
Standard conforms	BS: 1881 Part 5 1983(ISAT); 476 Part 6; DIN 1048:Part 5 1991 (water permeability test)
Specific Gravity	1.7
Color	Grey and White
Tensile strength	8 N/mm ² (28 days)
Flexibility	1.5mm thick:30%
Elongation	>50%
Toxicity	Non Toxic
Water Penetration	At 7 bars, no penetration 2mm DFT (DIN 1048)
Chloride Ion Diffusivity	Zero penetration at 90 days
Chemical Resistance	Strong Resistance against gasoline, diesel, sodium hydroxide, CaCl ₂ , deicing salts etc.