

ISO FLEX ELASTIC 1062

Product Data Sheet

Description:

Iso Flex Elastic is a two part polymer modified, elastic cementitious waterproof mortar slurry comprising of a liquid polymer and a cement based mix incorporating special admixtures.

Uses:

- Interior and exterior waterproofing and damp-proofing of concrete, cementitious rendering, brickwork and blockwork
- Protection of concrete structures against the effects of deicing salts and freeze-thaw attack.
- Rigid waterproofing of basement walls in new construction and refurbishment.
- Pore / blowhole filling.
- Sealing fine "hairline" cracks in concrete structures (not subject to movement).
- Waterproofing basement and cellars.
- Waterproofing applications on balconies and terraces overcoated by a protective cementitious layer.

Advantages:

- Easy and fast mixing.
- Can be applied on both horizontal and vertical surfaces.
- Easy to apply by brush or in thin trowel applications.
- No water required.
- Non-corrosive to steel or iron.
- Prebatched components.
- Very good adhesion on prepared substrates.
- Approved for potable water contact.
- Hand or spray applied.
- Protects concrete against carbonation.
- Protects against water penetration.

Coverage:

Dependent on the substrate roughness, surface profile and thickness of the layer applied.

As a guide, ~ 1.7 kg/m²/mm (excluding allowances for loss wastage, surface profile and porosity, etc.).
1 unit of 30 kg yields~ 17.6 l of mortar.



Technical Properties:

Color :	Part A: white liquid
	Part B: grey powder
Mixed product:	cement grey.
Density:	Powder: ~1.170 kg/l.
	Fresh mortar density: ~ 1.70
Substrate Temperature:	+8°C min. / +30°C max.
Ambient Temperature:	+8°C min. / +30°C max.

Application procedure:

The substrate must be structurally sound and free of all traces of contaminants, loose and friable particles, cement laitance, oils and grease etc.

The concrete "pull off" (tensile adhesive) strength must be > 1.0 N/mm².

Mixing

Iso Flex Elastik, must be mechanically mixed using a forced action mixer or in a clean drum using a drill and paddle (max. 500 rpm). A normal concrete free fall mixer is NOT suitable.

Application

Shake part A before using it. Pour approximately half of part A into the mixing container and add part B slowly while mixing. Add the remainder of part A and continue mixing until a uniform lump free consistency is achieved. The surface must be pre-wetted to a saturated surface dry condition before application.



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As a slurry:

Apply the mixed Iso Flex Elastik either mechanically, by spray or by hand using a stiff brush. Applied in the same direction.

Apply the 2nd coat of Iso Flex Elastik, applied by brush in crosswise direction to the first application as soon as first coat has hardened.

As a mortar:

When Iso Flex Elastik is applied by trowel (e.g. for a smooth surface finish), the product must be mixed with a 80% of part A (- 1A : 2.58). Apply the 2nd coat of Iso Flex Elastik as soon as the first coat has hardened. For pore/ blowhole filling, tightly trowel into the pores/ blowholes of the surface.

With fabric reinforcement:

Iso Flex Elastik can be applied with fabric reinforcement if needed. After applying the first layer of Iso Flex Elastik with trowel, place the fabric reinforcement while the material is still wet. Apply the second layer with trowel as soon as the first coat is hardened.

Cleaning:

Clean all tools and application equipment with clean water immediately after use. Hardened/ cured material can only be removed mechanically.

Packing:

Part A: 20 Kg.
Part B: 10 Liter.

Storage:

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf life:

Store under cover, out of direct sunlight and protect from extreme temperatures. Shelf life is up to 12 month when stored as per recommendations .

Health and Safety:

As with all construction chemical product, caution should be always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance immediately.

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