

Technical Datasheet

IZOZEN[®] FLEXPLO LATEX

Water Resistant Bonding Agent and Mortar Admixture

Description

IZOZEN[®] FLEXPLO LATEX is a polymer latex, used as an admixture to significantly improve the properties of mortars in several ways:

- Increases bonding to the substrate.
- Improves elasticity.
- Increases abrasion resistance.
- Makes mortars water impermeable.
- Eliminates shrinkage and prevents resulting cracks.
- Improves plasticity, water retention and workability of fresh mixtures.
- Improves resistance to chemicals and petroleum products.
- Suitable on most common construction substrates

Suitable for use in hot and tropical climatic conditions.

Fields of application

- Bonding layer between old and new concrete or mortar.
- Repair mortars and thin layers.
- Wear-resistant, dust-proof floor screeds.
- Waterproof cement mortars, resistant to water pressure.
- Plasters with high strength and water impermeability.
- Mortars with resistance to chemicals and petroleum products.
- Grouting mortars for natural stones.
- Mortars for forming grooves across wall-floor joints.
- Patch repair mortars
- Tile adhesives

Technical data

Form:	Styrene butadiene emulsion
Colors:	white
Density:	1.00 ± 0.02 kg/l
Total Chloride Ion Content	≤ 0.1 %
Yield	Approx. 90 L

Directions for use

1. Preparation of substrate

The substrate must be clean and free of dust, loose materials, oil, grease or old plaster, paint, cement residues etc. It should be thoroughly dampened but without water accumulation. Rust, scale, dust and other loose and deleterious materials which reduces bond or contributes to corrosion shall be removed.

2. Application

IZOZEN[®] FLEXPLO LATEX is added into the mixing water of mortars. The mixing ratio of IZOZEN[®] FLEXPLO LATEX to water could be from 1:1 up to 1:5, depending on the desired effect and the technical requirements. IZOZEN[®] FLEXPLO LATEX solution should be added into the mixer first, before cement and aggregates, to avoid lumps.

Consumption

Bonding Bridge

Cement : Quartz Sand : Liquid (1 part IZOZEN[®] FLEXPLO LATEX + 1 part Water) = 1 : 1 : 1

(by volume) or,

Cement : Quartz Sand : Liquid (1 part IZOZEN[®] FLEXPLO LATEX + 1 part Water) = 1.5 : 2 :

1 (by weight)

Apply the slurry by brush onto the pre-wetted substrate in 1-2 mm thickness and apply the subsequent mortar renders immediately (wet on wet application).

Repair Mortars

Portland cement	50 kg
Quartz Sand	125 kg (+25 kg)
IZOZEN [®] FLEXPLO LATEX	07-09 L
Water	09-12 L

Note: Trial mixes must be performed to establish the exact dosage rate required.

Shelf life – Storage

24 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Remarks

- IZOZEN® FLEXPLO LATEX should be thoroughly stirred before use.
- Working time of mortars with IZOZEN® FLEXPLO LATEX is slightly increased.

Packaging

IZOZEN® FLEXPLO LATEX is supplied in plastic containers of 1 L, 5 L, 20 L and in drums of 200 L.

IZOZEN® Health and Safety Message

- Always wear safety goggles, Mask, Helmet when working with hazardous materials.
- Follow safety procedures at all times when using power tools.
- Make sure your work area is tidy and free of trip hazards.
- Watch where you're walking – don't run in the workplace!
- Always use the appropriate lifting technique when moving heavy objects.
- Keep jewelry and other loose objects away from machinery.
- Don't eat or drink near hazardous materials.
- Report unsafe conditions immediately to your supervisor.
- Wear the correct clothing for the job – no loose clothing or jewelry!
- Take regular breaks and stay hydrated while working.
- Always be aware of your surroundings.
- Always use personal protective equipment when working with chemicals.

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