

ASOPLAST-MZ

Mortar additive, bonding emulsion, evaporation protection



Material number	Contents	Unit of quantity	Packaging	Colour
202222001	1	KG	Bottle	White
202222002	10	KG	Canister	White
202222003	25	KG	Canister	White
202222006	5	KG	Canister	White

Product features

- Plastic dispersion
- concentrate
- plasticizing
- Solvent free
- Chloride-free
- Acetate and plasticiser free
- No corrosion-promoting ingredients

Advantages

Increases adhesive, bending and abrasion strength

Areas of application

- for the production of bonded screeds for CT composite screeds
- For hardening and tempering plaster, screed, grouting, masonry mortar and concrete
- as evaporation protection of fresh concrete surfaces
- For interior and exterior use

ASOPLAST-MZ

Technical Data

Material properties

Product components	1 component system
Base material	Plastic emulsion based on butadiene styrene

Mixing

Mixing time	approx. 2 - 3 minutes
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Application

Consumption	1:1 to 1:3 ASOPLAST-MZ with water depending on application
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Material consumption

Material consumption rate according to the area of application

ASOPLAST-MZ material consumption rate according to application:

Application	Mixing	Dry mix	Grain size	Consumption
Bond coat	1: 1-3 (water)	1 (cement) : 3 (sand)	0-4 mm, depending on layer thickness	2.3-3.0 kg/m ² per cm of layer thickness
Bonding slurry	1: 1 (water)	1 (cement) : 3 (sand)	0-4 mm, depending on layer thickness	2.3-3.0 kg/m ² per cm of layer thickness
Levelling, patching and setting mortar	< 10 mm: 1: 3 (water) > 10 mm: 1: 5 (water) higher chemical resistance: 2: 1 (water)	1 (cement) : 2-4 (sand)	0-4 mm, depending on layer thickness	0.7-1.5 kg/m ² per cm of layer thickness
Floor coatings, wear-resistant coatings on hydraulic structures, underlays	heavy exposure: 1: 1-2 (water) normal exposure: 1: 2-4 (water)	1 (cement) : 2-3 (sand)	0-max. 8 mm, depending on layer thickness	0.4-1.9 kg/m ² depending on layer thickness
Plaster				
Lime-cement mortar plasters	1: 2-4 (water)	1 (binder) : 2.5-4 (sand)	0-4 to 0-8 mm	0.3-1.1 kg/m ² per cm of layer thickness
Plastering insulation boards	1: 2 (water)	1 (binder) : 3 (sand)	0-4 mm	0.7-1.0 kg/m ² per cm of layer thickness
Smoothing and levelling exposed concrete	1: 3-5 (water)	1 (cement) : 3 (sand)	0-1 mm	0.7-1.3 kg/m ² per cm of layer thickness
Mortar applications	1: 3-5 (water)	1 (cement) : 2-3 (sand)	0-8 mm	0.6-1.1 kg/m ² per cm of layer thickness
Adhesive, joint and covered fillet mortar				
rigid joints in concrete/masonry construction	1: 2-4 (water)	1 (cement) : 2-3 (sand)	0-2 mm with increased fines up to	0.7-1.9 kg/m ² per cm of layer thickness
bonding of insulation/lightweight panels	1: 2 (water)	1 (cement) : 3 (sand)	0-2 mm	1.4-1.9 kg/m ² per cm of layer thickness
Additive for lime and cement paints	1: 1 (water)	-	-	approx. 0.1-0.2 kg/m ²
Evaporation protection for concrete	1: 2 (water)	-	-	50-70 g/m ² undiluted ASOPLAST-MZ

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Application technology

Aids/tools

- Serrated or layer-thickness trowel
- Flat trowel
- Spray equipment
- Brush
- Sponge board
- Filler
- Rubber lip slider
- Screed mixer
- Trowel
- Stirrer

Manual processing

- Can be trowelled off
- Can be smoothed with a smoothing tool

Suitable substrate

- Masonry work
- Concrete

Substrate preparation

Requirement for substrate

1. Load-bearing
2. Firm
3. Clean
4. Free of cracks
5. Free of adhesion inhibiting substances

Preparing the surface

Pre-moisten the dry substrate so that it is matt damp at the time of application.

Usage

Mixing

1. For plastic mortar production, use only fresh binders and cleanly washed aggregates with good grain gradation. Adjust the grain size to the layer thickness and the surface finish.
2. Pre-mix the mortar dry.
3. Add the ASOPLAST-MZ water solution and mix thoroughly.
4. The mixing time is ca. 2 - 3 minutes.

Application

As a rule, apply wet in wet.

Levelling, patching and setting mortar

1. Apply the stiff plastic mortar to the well pre-wetted substrate.
2. A bond coat is required for heavily exposed parts and very smooth substrates.

As a floor covering / wear-resistant covering in hydraulic structures / subfloor

1. Apply the semi-dry mortar "damp in damp" in 15-30 mm layer thickness in accordance with the usual application specifications.
2. Compact the layer well and rub it off.
3. Observe the arrangement of shrinkage and movement joints!

As a smooth screed / levelling of fair-faced concrete

1. Prepare a bond coat bridge to the prepared substrate as described.
2. Apply the trowel-applied mortar immediately while still wet.
3. Rub off the layer and smooth it down.

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as a bond coat for CT-bonded screeds

1. Brush ASOPLAST-MZ into the moistened substrate.
2. Apply the CT screed while still wet.

As mortar base

1. For bridging construction joints between concrete components, apply the stiff plastic mortar in 5 cm layer thickness to the prepared substrate before concreting.
2. Formwork must be well sealed. The construction joint made in this way is carefully covered with concrete and compacted as usual.

As mortar for rigid joints in concrete/masonry

1. Mix the mortar to a paste-like consistency.
2. Fill the joint with a suitable trowel.

As mortar for bonding of insulation/lightweight panels

1. Apply the plastic mortar with a suitable trowel in spots or over the whole area.
2. Press the board into the mortar.

as plaster

1. Apply the pre-spray mortar.
2. Apply the base plaster to the well-hardened pre-spray application according to the usual pre-plastering rules.
3. ASOPLAST-MZ improves bonding increases flexibility, reduces susceptibility to shrinkage cracking and reduces water permeability.

As a pre-spray bond coat

1. Pre-inject the mixed mortar in a layer thickness of 4-5 mm.
2. With conventional plastering, further construction is carried out according to the usual regulations.
3. In the case of ready-mixed mortars, further construction is carried out in accordance with the manufacturer's application specifications.

As an additive to lime and cement paints

Use the mixing solution instead of water. The resistance to weathering influences, adhesion and smear resistance of the coating are increased.

Curing

1. For all types of application (except evaporation protection), protect the surfaces from premature drying out for up to 5 days by keeping them constantly damp or by covering them with a plastic sheet.
2. Protect from frost.

Storage conditions

Storage

Frost-free, cool and dry, 24 months in the original container. Promptly use opened container.

Disposal

Product leftovers can be disposed of in accordance with disposal code AVV 08 04 10.

Notes

- Protect surfaces that are not to be treated from the effects of ASOPLAST-MZ!
- Do not add water or new mortar to existing ASOPLAST-MZ mortar that has already set in order to make it workable again. (Risk of inadequate strength development)
- ASOPLAST-MZ mortars should be mixed intensively (not longer than 2 min).
- Pure ASOPLAST-MZ paint without cement-sand addition is not suitable as a bond coat, as a separating layer may form as a result of premature film formation.
- If the mix ratio is higher than 1:5 (MZ water), too little plastic is added to the mortar. The properties of the mortar are hardly improved.
- ASOPLAST-MZ mortar is not resistant to permanent contact with petrol and organic solvents (use ASODUR[®] mortar).
- When using ASOPLAST-MZ, the artisanal standards must be observed in the same way as when using ordinary cement-based mortars.
- Clean sand with a suitable grading curve (grain gradation).
- Clean splashes immediately with water.
- Protection against rapid drying out.
- Protection from wind and high temperatures.

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Planning, inspection of substrates and building site circumstances, laying, grouting and subsequent care of the work must be done in accordance with the relevant DIN standards and recognised rules of technology (e.g. the ZDB sheets of the Zentralverband Deutsches Baugewerbe e.V.) in the latest version.

Observe applicable safety data sheet!

GISCODE: D1

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