ASOCRET-M30

Watertight multi-mortar up to 30 mm



Material number	Package type	Colour	Units / pallet	Pc/package
205539001	25 kg, bag	light grey	42,000	1,000
205539003	6 kg, bag	light grey	160,000	4,000

Areas of application

- As levelling mortar
- As water impermeable waterproofing plaster in accordance with DIN 18533
- As repair mortar
- Suitable as building skirt render
- As a water-impermeable barrier plaster
- For levelling pool tank walls, as well as modelling pool edges in swimming pools
- For the substrate preparation of structural waterproofing
- For producing water-repellent surfaces

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Product features

- Concrete replacement for non-structurally relevant repairs in accordance with DIN EN 1504-3
- Standard plaster mortar (GP) in accordance with DIN EN 998-1
- Waterproof fillet mortar in accordance with DIN 18533
- High slump resistance
- Rapid setting
- Sulphate resistant
- Hydrophobic

Advantages

- Layer thickness ca. 3 - 30 mm in a single application step
- Can be quickly overcoated
- Shrinkage compensated
- Very smooth consistency
- Universally applicable as mortar or levelling compound
- watertight
- Tested according to the WTA worksheet 4-6 against water pressure acting from the rear

Technical Data

Material properties

Product components	1 component system
Base material	Pre-blended dry mortar
Consistency	Filler consistency
Grain size max	< 1 mm
Bulk density of fresh mortar	approx. 1.6 kg/dm³
Compressive strength (28 days)	approx. 20 N/mm²
Compressive strength (classification DIN EN 1504-3)	R1
Compressive strength (classification DIN EN 998-1)	CS IV
Flexural strength (28 days)	approx. 5 N/mm²
Tensile adhesion strength (28 days)	≥ 0.8 N/mm²
Capillary water absorption EN 998-1	W_c2
Capillary water absorption EN 1504-3	≤ 0.5 kg x m² x $h^{-0.5}$
Water vapour diffusion coefficient μ	< 25
Water penetration	≤ 5 mm
Classification of the reaction to fire in accordance with DIN EN 13501-1	A1

Mixing

Mixing time	approx. 3 minutes
Maturing time	approx. 5 minutes
Water addition	From 4.5 l to 5.25 l per 25 kg

Application

Substrate/application temperature	approx. 5 - 30 °C
Pot life	approx. 45 minutes
Method of application, max. layer thickness per application step	up to 30 mm
Consumption (sealing cove)	approx. 3 kg/m
Layer thickness with watertight plaster coat	min. 10 mm
Consumption (surface levelling) per mm layer thickness	approx. 1.4 kg/m²
Second application step after waiting time	approx. 3 hours
Overcoat after (min.)	after 3 hours

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Processing equipment

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Flat trowel
- Plasterer's darby
- Grid float
- Spray equipment

Manual processing

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

Preparing the substrate

Requirement for substrate

1. Firm
2. Free of adhesion inhibiting substances
3. Grippy
4. Load-bearing

Preparing the details

1. Depressions > 5 mm and mortar pockets, plaster grooves in brickwork, open butt or bed joints, damaged areas, large pored substrates or uneven masonry work must be levelled in advance with ASOCRET-M30 (cement-based mortar).
2. Scrape out crumbly masonry joints approx. 2 cm deep and clean the surfaces mechanically.

Preparing the surface

1. When applying to very dense or smooth substrates, we recommend applying a bond coat of ASOCRET-HS-FLEX. Alternatively, a splatterdash coat of THERMOPAL-SP could be applied depending on the specific project.
2. Pre-moisten the dry substrate so that it is matt damp at the time of application.
3. Extremely absorbent and slightly sandy substrates must be primed with AQUAFIN-Primer.

Application

Mixing

1. Add ASOCRET-M30 with From 4.5 l to 5.25 l per 25 kg clean water to a mixing bucket and mix with a stirrer until free from lumps.
2. The mixing time is ca. 3 minutes.
3. After a settling period of ca. 5 minutes, thoroughly homogenise the compound again.

Cementitious waterproofing trowels

1. Pre-screen the prepared substrate with ASOCRET-M30 in a consistency that is able to screen.
2. Alternatively, AQUAFIN®-1K can also be applied as a bond coat depending on the specific job type.
3. Whilst still wet, install a sealing cove with an edge height of 4-6 cm made of ASOCRET-M30 and round it off.
4. The cementitious sealing cove can be overcoated after approx. 3 hours with the respective waterproofing system.

Surface levelling

1. ASOCRET-M30 is applied to the prepared substrate in advance with a scratch coat and then applied in the desired layer thickness.
2. ASOCRET-M30 can be applied in a single application step up to 30 mm Layer thickness applied on the surface.
3. Striking off is done with a suitable tool (float, trowel or plasterer's darby), depending on the application, within the pot life.
4. The surface can be rubbed down using a Rubber squeegee, felt or sponge board after a corresponding waiting time.
5. Alternatively, after approx. 60-80 minutes (depending on the substrate, ambient conditions and layer thickness), a grid float can be used to remove unevenness and create an open surface that ensures good bonding for subsequent coatings.

Repair of voids

1. The prepared voids must be pre-dampened with matt dampness at the chopped out edges and then backfilled with ASOCRET-M30 flush with the surface.
2. Deep voids or defects must first be filled with a scratch coat.
3. Finish the last levelling layer using a Rubber squeegee, felt or sponge board.

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Storage conditions

Storage

Cool, dry, protected from sunlight. Min. 12 months in the original canister. Promptly use opened container.

Notes

- Protect surfaces that are not to be treated from the effects of ASOCRET-M30!
- Protect ASOCRET-M30 from weathering influences such as rain, frost and strong solar radiation, wind, etc. until totally dry!
- Protect ASOCRET-M30 from drying out too quickly (e.g. due to high temperatures or wind, by taking suitable measures, e.g. spraying with water several times or covering).
- Do not add water or new mortar to existing ASOCRET-M30 mortar that has already set in order to make it workable again. (Risk of inadequate strength development)
- High temperatures shorten and low temperatures extend the drying time.
- Before using ASOCRET-M30, the existing test certificates, the current relevant guidelines and the WTA data sheet "Subsequent sealing of components in contact with the ground" must be observed.

Observe applicable safety data sheet!

Explanations

Conformity / Declaration / Verification

CE

SCHOMBURG GmbH & Co. KG
Aquafinstraße 2 – 8
D-32760 Detmold
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205539-2

EN 998-1: 2016
205539
Standard plaster mortar (GP)

Compressive strength	CS IV
Capillary water absorption, category	W_c2
Coefficient of water vapour permeability(μ)	≤ 25
Tensile adhesion strength 28 d	≥ 0.5 N/mm²
Breaking pattern	A
Heat conductivity, λ10, dry, Tabulated mean value (P = 50%), DIN EN 1745	< 0.67
Reaction to fire	A1
durability (Frost resistance)	Resistant with application in accordance with TM
Hazardous substances	NPD

NPD = „No Performance Determined"

CE

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DIN EN 1504-3
205539
Concrete substitute product for non-static relevant restoration EN 1504-3: ZA. 1a

Compressive strength	R1
Chloride ion content	≤ 0.05 %
Adhesion	≥ 0.8 MPa
Capillary water absorption	≤ 0.5 kg × m² × $h^{0.5}$
Impaired shrinkage / swelling	NPD
Resistance to carbonation	NPD
Reaction to fire	class A1

NPD = „No Performance Determined"

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