

Technical Datasheet ATAL ASOCRET M30

CE	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 15 2 05539	
DIN EN 998-1: 2010-12 ASOCRET-M30 Normal plaster	
Compressive strength	CS IV
Capillary water absorption, Category	W2
Water vapor permeability coefficient, (μ)	≤ 25
Tensile strength 28d	$\geq 0.5 \text{ N/mm}^2$
Fracture appearance	A
Thermal conductivity, λ_{10} , dry,	
Tabulated average value ($P = 50\%$),	
DIN EN 1745	< 0.67
Reaction to fire	A1
Durability (Frost resistance) Resistant in case of handling according to the technical data sheet	

CE	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 16 2 05539	
DIN EN 1504-3 ASOCRET-M30 Concrete replacement product for non-structural repairs EN 1504-3: ZA. 1a	
Compressive strength	R1
Chloride ion content	$\leq 0.05 \%$
Adhesive bond	$\geq 0.8 \text{ MPa}$
Capillary water absorption	$\leq 0.5 \text{ kg/m}^2/\text{h}_{0.5}$
Restrained shrinkage/expansion	NPD
Carbonation resistance	NPD
Reaction to fire	Class A1

NPD = „No Performance Determined“

Technical Data

Basis: Sand, cement, high quality additives

Colour: light grey

Water demand: approx. 4.50–5.25 l / 25 kg

approx. 1.10–1.30 l / 6 kg

Bulk density: approx. 1.6 kg/dm³

Substrate/ application temp.: +5 °C to +30 °C

Pot life*: approx. 30 mins

Overcoat after*: approx. 3 hours

Flexural strength after 28 days: approx. 5.0 N/mm²

Compressive strength after 28 days: approx. 20.0 N/mm²

Water vapor permeability coefficient w24: $< 0.1 \text{ kg/m}^2 \times \text{h}$

Packaging: 6 and 25kg plastic bag

Consumption: Surface levelling: approx. 1.4 kg/m²/mm thickness

Mineral-based coved fillets: approx. 3.0 kg/m

Storage: dry, 12 months in the original unopened packaging.

Use opened packaging promptly.

* These values relate to +23°C and 50 % relative humidity. Due to site and weathering conditions, the data given may be extended or reduced.

For interior and exterior areas

- Shrinkage compensated
- Rapid setting
- Water-repellent
- Sulfate resistant
- For thicknesses from 3 to 30 mm
- Very smooth application
- High slump resistance
- Can be quickly overcoated

Areas of application

Atal Asocret M30 is used for repairing and levelling of damage and voids in wall and floor areas up to a thickness of 30 mm in one application. It is also suitable for producing mineral-based fillets, water impermeable render coats with negative waterproofing (barrier render) from 10 mm thickness. Furthermore, Atal Asocret M30 can be used to level pool tank walls as well as for shaping other wall and floor areas up to 30 mm such as for example pool edge details or similar in swimming pool applications. Due to its reactive properties, it can be applied with assurance and without long waiting times under critical conditions, e.g. at high humidity, low temperatures etc.

Technical Datasheet

ATAL ASOCRET M30

Substrate Preparation

The substrate must be load-bearing, sound with a good key and be free from adhesion inhibiting substances such as separating agents, dust etc. Rake out crumbly masonry joints to a depth of 2 cm and mechanically clean the area. Treat heavy salting. Remove all loose or poorly bonded layers from damaged areas until a solid base is reached. Remove laitance using suitable means such as e.g. hand scabbling. Pre-wet the substrate so that it is matt damp during the application of Atal Asocret M30. To improve adhesion, prime highly absorbent substrates with ASO Unigrund-GE or ASO-Unigrund-K.

Product Preparation

Dependent on the desired consistency, place approx. 4.2 – 5.25 litres of clean water into a clean mixing bucket and whilst continuously mechanically stirring (mixing drill approx. 300 -700 rpm), mix in as much dry mortar until a lump free, non-slump, smooth mortar paste is achieved. The mixing time is approx. 2–3 minutes. Allow to stand for 5 minutes then mix through once again. Application of the mortar is carried out to the technical regulations for plastering.

Surface Levelling

Atal Asocret M30 can be applied to surfaces up to 30 mm in thickness in one application. Firstly apply a scratch coat of Atal Asocret M30 to the prepared substrate then apply to the desired thickness. Striking off is carried out dependent on the application using suitable tools (float, trowel or plasterer's darby) within the working time. After the appropriate standing time, the surface can be rubbed down using a rubbing board, felt board or sponge board. Alternatively rub down with a grid float after approx. 60–80 minutes (dependent on the substrate, ambient conditions and thickness), so that surface irregularities are removed leaving a rough surface, which ensures a good bond for following coatings.

Repair of Voids

Pre-wet the chopped out edges of the prepared voids until matt damp and then fill flush with the surface with Atal Asocret M30. Prepare deep holes or voids with a scratch coat. Treat the final levelling layer with a rubbing board, felt board or sponge board. Producing mineral-based coved fillets (internal corners and wall/floor junctions): Coat the prepared substrate with Atal Asocret M30 in a slurry consistency and whilst still wet, form a coved fillet with Atal Asocret M30 at a min. edge length of 4 cm then round off. As an alternative and related to the project, a bonding coat of Atal Aquafin 1K can be installed. The mineral-based coved fillet can be overcoated with the appropriate waterproofing system after approx. 3 hours. High temperatures shorten and low temperatures lengthen the drying time. Atal Asocret M30 can be prepared in all conventional continuous mixing pumps.

Equipment Specification

Pipe length: max. 30 m

Pipe size: 25–35 mm

Stator/Rotor: Spray head for scratch

Secondary mixer: D6–3

Rotor-mix coat, nozzle size: > 14 mm

Water addition: approx. 280–300 l/h

Repair of Voids

- Protect areas not being treated from the effects of Atal Asocret M30.
- Atal Asocret M30 that has already started to stiffen must not be re-lified by adding water or fresh mortar as there is a risk of inadequate strength development.
- Protect Atal Asocret M30 from drying out too quickly (e.g. from higher temperatures or wind) using suitable measures such as e.g. repeated spraying with water or by covering.
- Protect Atal Asocret M30 from weathering e.g. rain, frost, strong sunshine, wind etc, until fully dried out.
- Please observe a current valid EU Health & Safety Data Sheet!

ATAL ASOCRET M30

Atal Technical Support

Atal offers nationwide and comprehensive technical support for all types of sites and construction projects.

Our team of CSSW qualified technical managers, technical advisors and site support operatives will be happy to help with our [free design service](#), free site visits, and free product training.

Atal is proud to support your project from the beginning stages, right up to the end.

Atal CPD Seminars

Atal CPD Seminars offer in-depth overviews of structural waterproofing, ground gas protection, building regulations, and industry standards.

Our seminars are created by our team of CSSW qualified technical managers, capable of catering to a project of your choosing, and are available for everyone eager to learn about or continue their professions in the construction industry.

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<https://ataluk.com/our-services/book-a-cpd>

For any enquiries, or help with your project requiring structural waterproofing, contact us via phone or email below.
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