



Technical Information

ALGT 627-10

Mass-hydrophobic agent with non-stick properties for “wet”-concrete

1. Product description

- Mass-hydrophobic agent for “wet”-concrete
- Capillary regulating characteristic
- Significantly reduces adhesion of concrete to press-plunger and concrete mixer (non-stick properties)
- Allows vapour diffusion
- Plasticising properties (reduces brittleness, less cracking)
- Highly stable and resistant to stress loading
- Extremely weather-resistant
- Frost resistant and also resistant to de-icer

2. Functionality

ALGT 627-10 is extremely well suited as hydrophobic concrete-additive for the manufacturing of paving stones, concrete slabs and prefabricated concrete elements.

ALGT 627-10 improves concretes compaction, regulates the capillary properties of the concrete and reaches a durable and long lasting structure which is effective in reducing water absorption; this is especially evident where the fully cured concrete is used to stop rinsing moisture.

ALGT 627-10 protects the concrete against lime-efflorescences and against the growth of micro-organisms (moss, algae, fungus) on and in the structure. The final concrete-product remains vapour-diffusive.

ALGT 627-10 minimises sticking to moulds and pattern stamps and it reduces the adhesion of concrete to mixers and associated equipment by using a highly effective non-stick additive.

3. Application

Stir the **ALGT 627-10** concrete additive thoroughly before use.

Add the additive to the mixing water. The mixing time of the liquid should at least be 1 minute.

Do not add **ALGT 627-10** to the dry concrete-mix.

4. Dosage

The recommended dosage of **ALGT 627-10** is between 1% - 2% of the binder content (cement).

Example. To create a concrete or cement mix.

Take 1kg of cement powder. Mix this with 2kg of sand and 2kg of aggregate. Mix thoroughly. Add 10-20ml of the **627-10** to 1 litre of water (the amount of water will alter depending on the nature of the concrete required). Stir this liquid for a minimum of 1 minute to ensure full dispersion. Add this newly created water + additive to the concrete Mix as normal.

Please note that in this example, the 1kg of cement powder plus 1-2% of 627-10 is the critical ratio. If the mixture was based on 50kg of cement powder you would add between 500ml to 1.000ml of **627-10**, dependent of the performance level required.



Please use different doses for two-layer concrete (core-layer and face-layer):

Example:

- core-concrete: approx. 1%
- face-concrete: approx. 2%

The thin face-layer (approx. 1 cm) doesn't significant alter the additive costs per square meter.

5. Technical data

Form: liquid
Colour: slightly yellow
Density: approx. 1.00 kg/m³

6. Storage

ALGT 627-10 should be stored in a dry and cool (max. 35°C), well ventilated place. It can be kept for at least 12 months from the date of manufacture if stored appropriately.

7. Instructions for product suitability

Please check the product suitability under production conditions, in advance of an industrial application and adjust the optimal dosing quantity during a suitability test.

8. Technical instructions

Our Application Department is available to answer technical questions on performance, use and chemical specifications.

This technical information does not replace the accompanying Safety Data Sheet. All technical information is based on practical experience. It is not generally obligatory as the practical conditions vary. Users should carry out their own tests. As the use of this product is beyond our control, we only accept liability for its consistent quality.

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