

ALDASA BASE EX

Microcement for surface preparation

Aldasa Base EX is a one-component microcement in powder form. Designed for surface preparation before applying finishing microcements, **Aldasa Concrete EX** and **Aldasa Classic EX**. It has been formulated to be applied as a low-thickness continuous coating onto floors and walls. **decóra cement®** microcement is applied in several layers with a trowel, allowing the creation of a wide range of finishes. **Aldasa Base EX** can also be used as finishing microcement.

Formulated with hydraulic binders, selected aggregates, synthetic resins and specific additives, **Aldasa Base EX** only needs the addition of water and pigments.

Once mixed, the product obtained can create a coating of 1-3 mm thickness, with high mechanical strength and strong adhesion to any type of substrates: concrete, cement-based mortars, ceramics, MDF, plaster and plasterboard.

It is not recommended to install one-component microcements on outdoors's surfaces nor wet indoor areas.

Recommendations for use:

a. Surface preparation:

Prior to the application of **Aldasa Base EX** it is necessary to prepare the surface depending on the conditions of the support to be coated. Some coatings require specific solutions, like the flat and flexible fibreglass mesh **Mesh**, adhesion promoters **Sealer C** or **Sealer P**. In all cases please follow the recommendations of our technicians.

The surface should be free of dust and grease, well consolidated and in good flatness. Due to its high adhesion strength to any type of substrate, primers are not usually required. However, under specific conditions and in order to facilitate the installation, it is recommended to apply adhesion promoters prior the first layer of microcement.

b. Mix:

Aldasa Base EX only needs the addition of clean water and specific colorants, at room temperatures from 10 °C to 20°C. It is essential to respect the water-microcement ratio to ensure the product properties.

10kg of **Aldasa Base EX** – 2.00 litres of **water**

c. Mortar preparation:

The mortar must be prepared as follows:

1. Pour the mixing water in a container; then add the entire load of pigment corresponding to the amount of microcement and microcement and mix until an even, coloured liquid is obtained.
2. Pour the microcement powder gradually into the water while mixing the product with a low speed mixing drill.

Properties:

- Continuous decorative coating without fissures (do always respect the expansion joints).
- Applicable on countless surfaces: concrete, cement, ceramic, plasterboard, etc.
- Excellent workability.
- Wide range of colours.
- Finishes: matt, satin and gloss.
- High adhesion to substrates.

3. Mix at least 4 minutes until a smooth mixture free of lumps is obtained.

d. Consumption:

The consumption depends on the surface. In a standard application it would be as follows:

Aldasa Base EX (2 layers) – 2.20 kg / m² – onto cement based mortar

Aldasa Base EX (2 layers) – 2.00 kg / m² – onto a plain support (drywall)

The better the levelling and preparation of the surface to be coated, the better the performance and the lower the time of installation. It is advisable to choose the suitable method for each application.

Technical Data:

Type:	Two component microcement		
Appearance:	White powder		
Apparent density:	in powder – 1.175 ± 50kg/m ³		
	in mortar – 1.545 ± 50kg/m ³		
	hardened – 1.470 ± 50kg/m ³ (28 days)		
Pot-life:	1 hour at 20°C		
Maximum size of the aggregates:	< 0,5 mm		
Compressive strength:	28 days:	≥ 42.00 N/mm ²	δ = 44.80 N/mm ²
Flexural strength:	28 days:	≥ 11.55 N/mm ²	δ = 11.90 N/mm ²
Adhesion strength:	28 days:	≥ 1.55 N/mm ²	δ = 1.99 N/mm ²
System thickness:	from 1 to 3 mm		

Installation:

a. Preparation layers:

Apply one or two coats of **Aldasa Base EX** with a steel trowel depending on the type of surface. On floors always apply two coats and use the flexible fibreglass mesh **Mesh**. Before applying a new layer, the previous one needs to be sanded with a random orbital sander and 40-grit sandpapers to remove irregularities.

b. Finishing or setting coat:

The application can be finished with a third coat of **Aldasa Base EX** using the “fresh on fresh” technique. **Aldasa Concrete EX** can be installed onto floors in two layers and **Aldasa Classic EX** is used exclusively onto walls and non-trafficable surfaces.

“Fresh on fresh”

Aldasa Base EX can be applied with the ‘fresh on fresh’ technique by installing the third coat as soon as the second is tack-free (non-sticky to the touch). No sanding is required for the first **Aldasa Base EX** layer when using this technique. Should you find burrs or bumps, smooth them out with a spatula and cut the rough edges. Work on an extruded polystyrene board to apply the following layer. Sand the surface lightly with a random orbital sander or 40-grit sandpaper gloves to remove imperfections once the material has dried —once the colour tone changes and intensity becomes lighter.

Do not apply layers thicker than 1 mm of **Aldasa Base EX**, **Aldasa Concrete EX** and **Aldasa Classic EX**. We recommend a total thickness of the combined layers of 3 mm.

Pot-life:

The pot life is 1 hour at about 20 °C.

It is advisable to mix quantities in accordance with the experience of the installer.

Sealing:

decóra cement® microcements should be sealed once they have hardened, after 24 - 48 hours. Sealing shall be done after the coating reaches humidity lower than 5%, measured with tools designed for this purpose.

decóra cement® microcements can be sealed with primer **Aldasa Varnish EX** and water-based varnish **Aldasa Polyurethane EX (A+B)** We highly recommend carefully following the installation instructions of technical datasheet.



Usage:

Mortar for coating indoor walls and floors of both residential and commercial spaces. Expansion joints should always be respected.

Packaging:

Available in 20 kg buckets.

Cleaning of tools:

Tools should be cleaned with water immediately after use. Once the material has hardened, it can only be removed by mechanical means.

Special precautions:

This product contains cement. Avoid contact with eyes and skin, as well as powder inhalation. Both low and high temperatures might vary the pot-life and drying times considerably.

- Use rubber gloves and safety glasses.
- Keep out of the reach of children.
- Apply this product at ambient temperature between 10 °C and 30°C.
- Empty containers must be disposed of in accordance with current local regulations.

Storage conditions:

decóra cement microcement should be stored in its closed original packaging, protected from weather conditions and at temperatures below 30 °C. Shelf life is about 12 months from date of production if stored in well-preserved conditions.

The product should not be used for purposes other than those specified without first having instructions in writing. It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation. Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

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