

# YAPIFINE MEND® 10

Fine Repair Mortar – R2



EN 1504-3



## Product Definition

Cement based, polymer modified, single component, surface repair and fixing mortar with improved adherence and fine aggregate.

## Areas of Use

- Used for obtaining smoother surface in fine repairs.
- Repair of concrete after moulding during any kind of construction,
- Repair of non-structural areas, repair of mineral surfaces
- Correction and repair of wall and ceiling plasters,
- Repair and forming of gas concrete, exposed concrete, prefabricated concrete, briquette, brick etc. surfaces,
- Filling concrete voids and repair of cracks,
- In order to obtain a smooth subsurface before the applications of ceramics and tiles,
- Filling air bubbles and pockets.

## Advantages

- Easy to apply.
- Suitable for spraying and use with trowel.
- Noncorrosive and nontoxic.
- Does not cause cracks and dusting.
- Resistant to freeze-thaw cycle.

## Technical Specifications

Appearance	Grey powder	Elastic Modulus	> 25 Gpa
Pot Life	min. 45 minutes	Capillary Water Absorption	≤ 0.5 kg/(m <sup>2</sup> .h <sup>0.5</sup> )
Application Temperature	Between +5°C and +30°C	Compressive Strength (28 days)	≥ 25 N/mm <sup>2</sup>
Service Temperature	-30°C /+80°C	Flexural Strength (28 days)	≥ 7 N/mm <sup>2</sup>
Application Thickness	max. 30 mm per layer	Adhesive Strength (28 days)	≥ 1 N/mm <sup>2</sup>
Time Before Use	1 day	Reaction to Fire	A 1
Restrained Shrinkage / Expansion	≥ 0.8 N/mm <sup>2</sup>		

\* Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.



### Packaging

25 kg kraft bag



### Consumption

Powder consumption of 190 ± 0.2 kg/m<sup>2</sup> for 1 mm thickness

## Surface Preparation

The surface should be cleaned of all residual materials such as dust, oil, dirt, paint, curing materials, bitumen and other foreign substances that would prevent adhesion.

The plaster and weak particles that do not adhere to the surface well enough should be removed from the surface prior to the application.

Highly absorbant surfaces should be saturated with water before the application. It should be paid attention to that there are no water puddles on the surface as well.

## Mixture Preparation

25 kg of YAPIFINE MEND 10 is slowly poured into 4-5 liters of clean water. Preferably with a low speed mixer, it is mixed with water for a minimum of 1-2 minutes up until when a homogeneous mixture is obtained.

The prepared mortar is left to develop for 3 minutes after which is then lastly stirred for another 2 minutes.

The fresh mortar should be used within 30 minutes.

## Application Information



Applied to the surface in the appropriate width with the help of a trowel.

In order to ensure the surface smoothness, an application of trifolium is done. After the application the surface needs to be kept damp for the next 24 hours.

Applications should be done layer by layer where the application thickness is larger than 30 mm and between each layer a minimum of 3 hours should be waited.

## Application Conditions

Should not be applied to surfaces that were exposed to sunlight for too long or to surfaces that are too hot or frozen. Should not be applied when the ambient temperature is not within the values of +5°C and +30°C.

The application area should be protected from the effects of wind and direct sunlight.

The final consumption amount might vary depending on application conditions and surface characteristics.

## Shelf Life

The shelf life of the product is 12 months when it is stored on wooden pallets in a cool, dry and moisture free environment with an ambient temperature between +10°C and +25°C.

## Safety Precautions

The operator should be wearing proper work attire, goggles, mask and protective gloves appropriate to work and worker safety regulations.

In case of contact with the eyes or accidental ingestion of the product seek immediate medical attention.

Rinse with plenty of water in case of contact with the skin. Since it's cement based, do not breathe.

For further information on the safe handling of this product please read the Safety Data Sheet (SDS).