



The Chemical Company

# POLYAP® MS İNCE

## Decorative Mineral Plaster

### Description of Product

**POLYAP® MS** is a cement based single component, polymer and fiber reinforced decorative plaster with water repelling characteristic.

### Fields of Application

- In inner and outer areas.
- On mineral based surfaces.
- As decorative plaster on exterior heat insulation systems.

### Advantages

- Mixes only with water.
- Easy and quick to apply.
- Enables perfect adhesion.
- In white color.
- Vapor permeable.
- Can be painted.
- Resistant to external factors.
- Resistant to freezing - thawing cycle.

### Application Procedure

#### Surface Preparation

Application surface has to be strong, dry, bearing, dustless, clean, and also in balance. Surface must be cleaned off all kinds of oil, grease, rust, and

paraffin traces that can weaken adherence and no loose particles must be present. Disordered surfaces must be repaired by suitable Repair Mortars.

In last layer application of heat insulation systems, to apply **POLYAP® MS**, sheets have to be strongly adhered on the surface, be plugged, and **POLYAP® S** plaster applied. Sheets must not be bulged by wind load.


### Mixing

Necessary amount of water is poured into a clean mixing container with the help of a scale. **POLYAP® MS** is slowly added to the water and mixed with a 400 - 600 RPM mixer for 3 - 5 minutes until a homogenous and unlumpy mixture is obtained. After resting it for approximately 3-5 minutes and mixing again for 30 seconds, the material is ready to use.

### Mixture Ratios

POLYAP® MS İNCE	For 1 kg powder	For 20 kg bag
Amount of Mixture Water	~0,25 litre	~5,00 litre
Density of Mixture	~1,80 kg/litre	

### Technical Data

Structure of the Material	Mineral sealants, synthetic additives, and special cement.	
Color	White	
Adhesion Strength to Concrete (EN 1542)	≥ 1.00 N/mm <sup>2</sup> (28 days)	
Application Ground Temperature	+5°C +30°C	
Service Temperature	-20°C +80°C	
Maturity Period	3 - 5 minutes	
Usage Period	1 hour	

Obtained in +23°C, 50% relative humidity conditions. Higher temperatures decrease the time, lower temperatures increase the time.



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## Application

**POLYAP® S** is applied as single layer on heat insulation sheets adhered by **POLYAP® Y**, and wall plugged. Then, plaster net (fiber-mesh) is set in the first layer. **POLYAP® MS** mixture, prepared after **POLYAP® S** is set, is applied on the surface by a steel trowel. Materials, equipments, and team should be planned before as to finish the application in one time depending on dimensions of the application area.

Desired pattern is formed on the surface by using a rubber trowel. 3-4 days after **POLYAP® MS** application, **Thorolastic® S&TF** (flexible exterior coating) is applied on it in desired color.

## Coverage

2.5 - 3.0 kg/m<sup>2</sup> (powder product).

## Watchpoints

- If environmental temperature is below +5°C or over +30°C in **POLYAP® MS** application, then suitable temperatures must be waited for. Also **POLYAP® MS** application should not be made in very hot, rainy or windy weathers.
- Under no circumstances, water and new material must be added to drying in **POLYAP® MS** mixture.
- Applications of additional layer should be made before the first layer is cured completely (wet on wet).
- In outer surface applications, the surface has to be protected from sun, wind, frost or rain during the first 24 hours.

## Equipment Cleaning

All the tools and equipments must be cleaned by water after the application. After **POLYAP® MS** is hardened, it can only be removed from the surface mechanically.

## Packaging

20 kg polyethylene reinforced kraft bags.

## Storage

Must be stored in unopened original packing, and in cool and dry environment protected from freezing. In short-term storing, maximum 3 palettes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

## Shelf Life

12 months after the production date under appropriate storing conditions. Opened packages have to be stored by tightly sealing the bag, and must be used in one week.

## Health and Safety Precautions

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

## Disclaimer

This information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, BASF Yapı Kimyasalları San. A.S. is only responsible from the quality of the product. BASF Yapı Kimyasalları San. A.S. cannot be hold responsible from the results caused by applications of the product not in accordance with the written suggestions of how and where to use the product and/or faulty applications. This technical document is valid until a new one is printed and abates the previous editions. 01/2008.