

# MC-Plast SP3 (Formerly known as D.P. SP3)

## Fine textured decorative finish...

### Description

MC-Plast SP3 is a dry pre mix, fine textured finishing coat. Different textures are possible using a spray-gun or trowel. Thickness is approximately 1.5 - 2 mm. Available in various colours.

### Standards

BSEN998-1, BSEN13914-1, BSEN13914-2 & BS5492

### Application

#### Application Method

**Background:** It is recommended that MC-Plast SP3 should be applied over a Portland Cement based render mix type-II (BSEN 13914-1) which is rough finished using either a wooden or plastic float. Where the render has to be applied over dissimilar backgrounds i.e. concrete and block work (prior to the application of SP3), it is important that the substrates are sound, free of undue shrinkage, structural, tensile and thermal movements.

The rendered background should be cured with water for a period of 2 days (3-4 times daily) and allowed to harden before applying SP3.

#### Preparation of normal fair faced concrete surface

The background for application of SP3 should be clean, free of dust deposits, loose mortar, chemical impurities (salts and sulphates) and other contaminations, which may adversely affect adhesion and cause variation in colour of the SP3.

It's essential to neutralize the suction of the background before SP3 is applied. This is done by applying potable water evenly on the surface. A short time should elapse to allow the free water to disperse before applying SP3 else it may cause de-bonding and variation in colour of the finished product.

#### Mixing

SP3 supplied in 25 kg bags must be mixed with potable water only, in a clean plastic bucket or clean non-corrosive, uncontaminated metal tub. To ensure a homogeneous & uniform mix, an electric agitator must be used. The amount of water to be added is approximately 5.25 ltrs per 25 kg bag of SP3 (i.e. 21% by weight) and

#### Application

SP3 to be applied to a thickness of 1.5 - 2 mm and finished using the following techniques.

1. Float finish with a plastic trowel working over the surface in a circular, horizontal or vertical direction to achieve a semi-rough thin coat Decorative Render.
2. Use a power pattern spray gun or Tyrolean box to achieve a textured spray finish.

MC Technical Service Department will assist in these procedures upon request.

#### Special Notes

SP3 has to be protected from direct wind, sunlight and rain during application.

SP3 should be applied in one continuous operation up to angles, features or in panels to prevent joints showing on the finished surface.

SP3 has to be water cured for at least 2 days (3-4 times daily) by applying a fine mist spray of potable water over the entire surface.

#### Storage

MC-Plast SP3 must be stored in a dry place, off the ground and well covered. Hard or lumpy material must be rejected.

Mixing Ratio	5.25 ltrs of water per 25 kg bag Water/Powder ratio = 0.21
Approx. Yield *	18.25 ltrs per 25 kg bag
Approx. Coverage *	12.2 m <sup>2</sup> per bag at 1.5 mm thickness
Curing	Minimum 48 hours by potable water

\* Typical results under laboratory condition

should be constant for every batch. Add **SP3** to water, turn the contents of the bag carefully adding small amounts at a time into the container. Stir frequently and mix each batch for the same period of time. Once mixed, allow to stand on 3-5 minutes and mix again before applying. No further water should be added to the mix. Hard and set plaster should not be re-mixed or used

## Technical Data

Composition	<b>SP3</b> consists of White Portland Cement, marble chips, hydrated lime, non-fading colour pigments and chemical improving agents
Binder	White Portland Cement
Aggregate Size	0-1.5 mm
Appearance	Granular powder, available in different Colours
Density *	Wet: 1.65 kg/ltr Dry: 1.55 kg/ltr
Compressive Strength *	6 N/mm <sup>2</sup> @ 28 days
Flexural Strength *	1 N/mm <sup>2</sup> @ 28 days
Working Time	Approx. 45 minutes

\* Typical results under laboratory condition

## General Information

Package Size	25 kg paper bags
Shelf Life	12 months from date of manufacture when stored under warehouse conditions
Cleaning	Clean all equipments and tools with water immediately after use

### NOTE:

*It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, MC-Bauchemie does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to MC- Bauchemie's standard terms and conditions of sale.*