

MC-Plast Tyrolean (Formerly known as SP-TYRO)

Tyrolean textured finish...

Description

MC-Plast Tyrolean is a dry pre mix, tyrolean textured finishing coat, available in a variety of colours. It is a classical spray finish applied by spray-gun or tyrolean box. Thickness as required or as specified.

Standards

BS5492, BSEN998-1, BSEN13914-1, BSEN13914-2:2005

Application

Application Method

Background: MC-Plast Tyrolean can be applied over a Portland Cement based render mix type-II (BSEN 13914-1), concrete block work or other mineral based keyed surfaces. The rendered background should be cured with water for a period of 2 days (3-4 times daily) and allowed to harden before applying MC-Plast Tyrolean.

Preparation of normal fair faced concrete surface

MC Bonding Rush Coat (BRC) mixed with appropriate amount of potable water (approximately 19% by weight i.e. 4.5 ltrs per 25 kg bag) using a mechanical mixer, should be spray applied on the prepared fair faced concrete surface. A rough texture has to be obtained to provide a mechanical key for the subsequent coat of **MC-Plast Tyrolean**. The applied BRC should be water cured for a period of 2 days (3-4 times daily) before applying **MC-Plast Tyrolean**.

The background for application of **MC-Plast Tyrolean** 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 **MC-Plast Tyrolean**. It's essential to neutralize the suction of the background before **MC-Plast Tyrolean** is applied. This is done by applying clean potable water evenly on the surface. A short time should elapse to allow the free water to disperse before applying **MC-Plast Tyrolean** else it may cause debonding and variation of colour in the finished product.

Application

MC-Plast Tyrolean to be applied and finished using the following techniques.

Tyrolean Finish

A Tyrolean finish can be achieved by using a Tyrolean box or a spray machine i.e. spray pattern hopper gun or any other suitable machine. Spray from a wet edge to complete an entire unbroken area in one continuous operation. Allow the sprayed material to stiffen slightly and then double back to achieve a sprayed thickness of approx. 4-5 mm. Over spraying of dried, finished areas should be avoided.

Stucco Finish

The high points in the Tyrolean texture can be smoothed over with a wetted steel or plastic trowel once the plaster starts to stiffen, to achieve a stucco finish. MC Technical Service Department will assist in these procedures upon request.

Special Notes

MC-Plast Tyrolean has to be protected from direct wind, sunlight and rain during application. **MC-Plast Tyrolean** should be applied in one continuous operation up to angles, features or in panels to prevent joints showing on the finished surface. **MC-Plast Tyrolean** 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 Tyrolean must be stored in a dry place, off the ground and well covered. Hard or lumpy Material must be rejected.

to be mixed with potable water only, in a clean plastic bucket or a clean non-corrosive, uncontaminated metal tub. To ensure a homogeneous and uniform mix, an electric agitator must be used. The amount of water to be added is approximately 4.5 ltrs per 25 kg bag (i.e. 18% by weight) and should be constant for every batch. Add MC-Plast Tyrolean 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 for 3-5 minutes & mix again before applying. No further water should be added to the mix. Hard and set plaster should not be re-mixed or used

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 ² per bag at 1.5 mm thickness
Curing	Minimum 48 hours by potable water
<i>* Typical results under laboratory condition</i>	

Technical Data

Composition	White Portland Cement, hydrated lime, graded sand, non-fading colour pigments and chemical improving agents
Binder	White Portland Cement
Aggregate Size	0-0.6 mm
Appearance	Powder, available in different colours
Density *	Wet : 1.85 kg/ltr Dry : 1.7 kg/ltr
Compressive Strength *	6 N/mm ² @ 28 days
Flexural Strength *	1.5 N/mm ² @ 28 days
Working Time	Approx. 45 minutes
<i>* Typical results under laboratory condition</i>	

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.