MC-Easyplan 20-IN

Hydraulically setting, Self-Leveling Mortar for Flooring

Product Properties

- **MC-Easyplan 20-IN)** a single component, ready to use Mineral Based Self-Leveling Mortar for Underlayment
- It is highly Flowable, Hence Easy to apply, Manually or by help of Pump.
- It is suitable for the thickness of 3mm to 20mm
- Excellent adhesion with the prepared Concrete Surface
- Suitable for the application in Closed Room
- Quick setting and hardens rapidly

Areas of Application

- Suitable as an Underlayment for Floor Tile application
- Suitable for level the uneven surfaces in Flooring
- Suitable for Carpet finish Flooring for Residential and Commercial areas.
- Suitable for the Leveling mortar for the LD to MD flooring

Application Notes

General

MC-Easyplan 20-IN is a quick setting, resurfacing and self-leveling mortar for flooring application. It is a Grey powder consists of Mineral Based Special binders, selected aggregates and high-quality Polymers. It is suitable for the application of seam less leveled mineral based flooring of thickness ranging from 3mm to 20mm. It is suitable for covering any kind of Undulations and imperfections in the concrete floors.

Surface Preparation

For the new concrete surface, the concrete surface should be minimum 28 days old. For both New and old concrete substrate, the surface should be Sound enough and should be free from any contaminations, paints, grease or any foreign materials. All the contaminations or any laitance's should be removed by Mechanical mean or by pressurized water.

Priming

Priming is necessary before application of **MC-Easyplan 20-IN .** Application of Primer helps the surface to fill the surface pores and prevent the Leveling Mortar for any kind of air release though the surface micro pores. The surface should be primed by using **Nafufill® SBR/BB2**. Application of primer should be done by help of stiff Brush. If the porosity of the concrete surface is very less then before application Primer should be diluted with water should be recommended. 1 part of water addition is recommended for 1 part of Primer. For the porous surface two coats of primer application is recommended depending on the substrate condition. During application of primer excessive application of primer should be avoided, otherwise it will lead the Leveling Screed to debonding. For the porous substrate if two coats of primer application is recommended then second coat will be applied after the 1st coat dried completely. Application of the primer should be commenced on the Saturated Dry concrete surface. If required the surface should be pre-soaked with water to make the surface saturated Dry.

Mixing

MC-Easyplan 20-IN should be mixed mechanically. Manual mixing of this material should be strictly avoided. The mechanical mixture should be of heavy-duty Drill attached with suitable mixing paddle along with controlled speed. During mixing care should be taken that powder to be added in water. The water Powder ratio should be 0.25 to 0.28 to achieve a smooth free flowing leveling mortar. Addition of water may vary depending on the site and temperature condition. During mixing of Water in grout 1st add 75% of the water and mix for 2-3 min, then add rest 25% of water and mix for 2 min to get better flow and workability.

Application

Application of **MC-Easyplan 20-IN** should be commenced with in its pot life and its approximately 40min.application should be done on the prepared and primed substrate. Mixed material should be poured on the surface and to be spread by using Steel trowel or floater. For the large area it is recommended to use gauging tool with thickness adjustment to spread the mortar. For the higher thickness that is more than 8mm its is advisable to lay it in two working steps.2nd layer should be applied after complete dry of the 1st layer. In case of two working steps another prime coat is required on the surface of the 1st coat. After application of Leveling mortar care should be taken to protect the surface from any rapid drying, or moisture loss. The surface should be protected from direct sunlight, frost etc. During application if the surface temperature increases more than 35^0 C then contact MC Bauchemie Technical Team for the solution.

Curing

Generally curing is not required in normal condition, but in case of critical condition or high ambient or surface temperature condition to prevent the leveling mortar from excessive moisture loss, curing with wet hessian cloth is required for 3 to 4 days by covering with polythene sheet over the wet hessian cloth.

Technical Data For MC-Easyplan 20-IN			
Characteristic	**Unit**	**Value**	**Comments**
Density(fresh Mortar)	Kg/liter	2.0	±0.2
Compressive strength	N/mm^2	≥20	In 7 Days
Tensile strength	N/mm^2	≥6	In 28 Days
Application Temperature	^0C	$+10^0C$ to $+35^0C$	
Pot Life	Min	>40 min	
Curing time	Days	1 7	Normal Foot Traffic Full Cured
Coverage	Kg/m^2	2	In 1mm thickness

Product Characteristics for MC-Easyplan 20-IN	
Type of Product	Mineral based Free flow, self-Leveling Mortar
Form	Gray Powder
Shelf Life	12 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Delivery	30 kg sacks
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice
Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Edition: - MC/IND/R1/JAN2021, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.