



MICSHIELD™



**MICSHIELD
PUTTY G20**

Single Component, Polymer Modified, Repair Compound & Skimcoat Plaster

Ready mixed repair compound and plaster in powder form, Single component, For exterior and interior application, Excellent bond to concrete substrate, fairing coat cosmetic mortar for concrete surfaces, Good workability on vertical and overhead applications, upon sanding Low dusting and Water-resistant finish suitable for painting or wallpapering. Material can be applied up to 2mm thick in one pass.

DESCRIPTION

MICSHIELD G20 is a cementitious polymer modified mortar composed of high resistance cements and special additives. It is designed to give thin layers to produce a fair faced appearance, to concrete or masonry surfaces. When mixing with water the product becomes easily workable mortar applicable horizontally, vertically, and overhead and waterproofing and longer life to exterior.

PRODUCT ADVANTAGES

- Pre-packed, easy to use material, requiring only the simple addition of water.
- Precision made, consistent results.
- Use for both interior and exterior.
- Excellent adhesion to concrete.
- Shrinkage compensating.
- Low permeability.
- Excellent resistance to freeze / thaw action and carbonation.
- Give very smooth surface finishing.
- Excellent workability and easy to sand.
- The surface can be painted 72 hours after the application.



AREAS OF USE

- All structures of indoor and outdoor spaces
- Areas where smooth and flawless surface is required
- Exposed concrete and cement-based plasters
- Walls and ceilings, concrete columns
- Aesthetic repair works on concrete structures
- Repair of damaged, decayed, weak or debonded concrete.

COVERAGE

Approximately 1.55 kg/m² per 1 mm thickness.

INSTRUCTION FOR USE

SURFACE PREPARATION

The support must be perfectly cleaned, free from dust, inconsistent parts, traces of form stripping oils, efflorescence, rust etc. Saturate the surface with water to eliminate possible water absorption at the moment of application.

MIXING

To prepare the mortar, pour 7.00-7.50 liters of water into a clean container and add slowly the content of **MICSHIELD PUTTY G20** (20 kg). Mix using spiral paddle in slow speed heavy duty drill for few minutes till a homogeneous lump free consistency mix is achieved. Always add powder to water and not the other way around.

TECHNICAL DATA

Appearance	Powder
Colors	GREY
Mix Density	1.55 kg/Ltr
Maximum aggregate size	100 microns
Application Thickness	1-2 mm
Water Mixture Rate	7.00 ltr water For 20 kg powder
Application temperature	from +5 to +35 °C
Waiting Time Between Coats	Minimum 3 Hours
Shrinkage	Maximum 0.15%
Compressive Strength	15 N/mm ² (28 Days)
Flexural strength: ASTM C348	4 MPa @ 28 days
Adhesion to concrete @ 28 days)	0.5 MPa
Shelf life	12 months from production date in its original packaging (unopened container) between 5° and 30° C in a cool dry place.

Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.



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APPLICATION

Placing and Finishing **MICSHEILD PUTTY G20** can be applied by steel trowel. The mixed mortar can be applied to the prepared substrates to 2mm thicknesses. The applied mortar should be allowed to stiffen before troweling to a smoother finish.

PACKING



20 Kg bags stored under dry conditions

This product is environmentally friendly

CLEANING

MICSHEILD PUTTY G20 should be removed from tools and equipment and mixers with clean water immediately after use. Cured material should be removed mechanically.

SAFETY INSTRUCTIONS

For further information refer to the Safety Data Sheet of the product

STORAGE

12 months in original intact packaging and stored in a dry place.

Manaseer Industrial Complex
is a member of US green building



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