Shieldputty 100

MICSHIELD®

High Performance, Ready-to-use, Acrylic Putty and Skim Coat for Internal Applications

TECHNICAL DATA SHEET

Description

Shieldputty 100 is a ready-to-use, PVA-based acrylic copolymer wall putty, suitable for cementitious and wood substrates, designed to provide exceptional smoothness and adhesion strength to substrates for levelling interior masonry, gypsum board surfaces and jointing compounds and provide smooth and seamless wall and ceiling surfaces ready to receive desired architectural finishes as well as to ensure a longer life for painted surfaces.

Uses

- Indoor applications.
- Vertical and overhead applications.
- Levelling and smoothing plastered and concrete surfaces.
- Correct and level uneven substrate imperfections such as aerated concrete, hairline cracks, pores, damages, etc.
- Provides a strong, smooth, and flawless base for paint and decorative coatings.
- Can be used on different substrates such as wood and concrete prior to painting and finishing.

Characteristics / Advantages

- Ready to use.
- Smooth and lump-free.
- Excellent adhesion to gypsum and fiber cement boards.
- Eliminates the need for the sanding process.
- Low shrinkage.
- Provides a smooth and clear surface finishing.
- Does not contain Alkylphenol Ethoxylates (APEO) and has very low VOC content.
- Enhances paint longevity by preventing peeling and flaking.
- Fast drying and extended working time.
- Non-toxic.

Safety Instructions

Shieldputty 100 may cause irritation to the skin or eyes. Refer to the most recent Material Safety Data Sheet for information and advice on the safe handling, storage, and disposal of the product.

Shelf Life and Storage

Shieldputty 100 has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Typical Properties

Appearance/ Color	White Paste
Mixed Density (@ 23°C)	1.65 ± 0.10 g/ml
Application Thickness	1 – 2 mm
Overcoating Time	4 hours
pH	8 – 9

Packaging

Shieldputty 100 is supplied in 5 kg buckets and 25 kg bags.

Application Instructions

1. Substrate Temperature

+5°C to +35°C

2. Surface Preparation

The substrate must be free from dust, loose materials, surface contamination, and any materials that may reduce bond or prevent adhesion of the putty. It should be also sufficiently cured to avoid any shrinkage or cracks. For highly porous substrates, apply **Shieldbond PVA** or **Shieldbond AB20** prior to application, to enhance adhesion and reduce absorption.

3. Application

Apply the first layer using a spatula, blade or putty knife on walls with a bottom-up configuration. Apply the second coat after making sure the first coat has dried. Allow the final coat to dry completely and then use sanding process to get surfaces smooth and ready for paint applications. The putty should be completely dry before applying the paint.

It can be diluted with 3-5% of clean water to achieve the desired consistency. Allow each coat to dry completely before applying additional layers. For an ultra-smooth finish, sand the surface within 24 hours of application using fine-grit sandpaper. Ensure proper ventilation during drying and sanding to achieve optimal results.

4. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

Consumption

1.6 - 1.7 kg/m² per mm approximately.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to application.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

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