

APPLICATION GUIDELINES

DESCRIPTION :

MCM Adhesive is two components, high strength, flexible adhesive based on a high polymer system with superior adhesion and high strength for both exterior and interior applications. Also suitable for use in wet areas like kitchens, bath areas, restrooms, pantry, etc. for both vertical and horizontal applications.

COMPONENTS :

PART A - 25 Kgs POWDER

PART B – 5 litre LIQUID

SUITABLE SUBSTRATES :

- | | | |
|------------------|-----------------|------------------|
| ◆ Concrete | ◆ Ceramic Tiles | ◆ Natural stones |
| ◆ RCC | ◆ Terrazzo | ◆ Porcelain |
| ◆ Cement Plaster | ◆ Marble | ◆ Plywood |
| ◆ Cement Boards | ◆ Terracotta | ◆ MDF |

ADVANTAGES :

- | | | |
|------------------|------------------------|---|
| ◆ Two component | ◆ High polymer content | ◆ For both vertical and horizontal applications |
| ◆ Exterior Grade | ◆ High flexibility | |
| ◆ High adhesion | ◆ Non-sagging | |

PHYSICAL PROPERTIES :



Tensile Adhesion Test are conducted as per IS;15477-2019, using a ceramic tile to conduct the testing procedure.

APPLICATION PROPERTIES :

Mixing Ratio

*Follow 1 : 1
(Part A : Part B)
mixing ratio*

Application time

Approx. 15 minutes

Open time

Approx. 60 minutes

Ready for grouting

After 24 hours

THEORETICAL COVERAGE :

» V Notch trowel size- 6 mm

» Output per set- Approx 60 sq.ft to 70 sq.ft

* Coverage mentioned is indicative. Final consumption will depend on surface flatness, type of substrate, application pattern and proper usage of tools. Overall adhesive bedding must not exceed 3-4 mm.

SURFACE PREPARATION :

» Surface preparation is important. All surfaces should be leveled, dry, clean and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping/sanding to ensure good bonding. The surface should be inspected in advance for any defects or unevenness

- » In case of raw plastered surface, it must be fully cured before application of MCM panels. Plaster finish must be smooth for better results.
- » The surface of the plaster should be checked for undulation and any hollow sounds. These irregularities can indicate poor adhesion or improper curing which can affect the cladding work's quality.
- » Before starting the cladding work, the plaster surface should be prepared by sprinkling it with potable water. This helps in enhancing the adhesion of cladding material to the surface and reduces the risk of air voids or weak spots.
- » In case of ply wood/ MDF /cement board substrates, Please ensure all ply/cement board joints are well secured and tight. Must not be loose. Leave 2mm gap at all sheet to sheet joints and fill them with exterior grade flexible PU sealants.
- » It is not recommended to use adhesive on excessive wet surfaces or during continuous rains. Adhesive needs a dry surface to properly bond, and attempting to apply it on excessive/continuous wet surface can result poor adhesion and a weak bond. It's best to wait for dry weather conditions before undertaking cladding. In case of cladding during monsoon season, please ensure that the work area is well covered with tarpaulin throughout the execution time period and also for 30 days post installation, for adhesive to settle and dry completely.

* By following these steps meticulously, you can ensure a well-prepared surface for successful cladding work, ultimately leading to a durable and visually appealing outcome.

MIXING :

- » MCM 2C Adhesive is supplied as a two component product. Pour 5 liters can of Chemical (Part-B) into 25 KG Bag (Part-A), into suitable clean container and mix with low speed drill (400-800 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve lump-free right smooth consistency.

APPLICATION :

- » MCM Adhesive is applied at a thickness of 3 to 4mm, using proper tools. To achieve a uniform thickness; the mortar should be spread with a 6mm V notch trowel. Do not spread more than 0.5m² at a time. Spreading larger areas may result in the mortar drying out before panel can be stuck to the adhesive, resulting in adhesion failure.

- » The actual open time will vary according to the ambient conditions. Leave some space on the back-side at the perimeter of every MCM Panel while applying adhesive and use a thump-pad to press the MCM panel to ensure proper spread of adhesive. Also apply a thin layer of adhesive (approx. 1mm) on the substrate before fixing the panel. Overall adhesive bedding must not exceed 3-4mm.
- » All sheet edges must be properly locked with the adhesive. Ensure that movement and perimeter joints are incorporated as per the standard practice. In case of grouting in adhesive this must be done when adhesive is in semi dry condition, we recommend min 5mm to max 8mm groove width for grouting.

PRECAUTIONS :

- » MCM Cladding must be done after all the peripheral painting, electrical, civil, carpentry works are done, to avoid any paint/stain/dust marks on the products.
- » Do not re-temper the mix. Ensure the temperature of the mortar does not exceed 35°C at the time of mixing. Suitable ambient temperature while installation is between 5°C to 35°C. Do not mix by hand, use a spinner.
- » Do not part mix, use full pack. Do not expose to running water until product is fully cured. Curing time is affected by ambient and surface temperature, humidity. Allow 48-72 hours for curing.
- » Any pull out test must be done only after 28days post application, subject to dry weather condition through the period.

HEALTH & SAFETY :

- » As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See MSDS for specific instructions. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

PACKING :

- » MCM 2C Adhesive is available in Set. One set contains 25kg Powder (Part A) & 5Kg Chemical (Part B)

AVAILABLE COLOURS :

- » Off White & Grey

SHELF LIFE :

» 12 months from manufacturing when stored in factory packed unopened bag. To be stored in a cool, dry and elevated place, away from direct sunlight.

* The information contained herein is to the best of our knowledge, belief, and accuracy. However, the conditions of handling and usage are beyond our control. We make no warrantee of results, and assume no responsibility or liability for any damages or consequential damage incurred by the use of the product. Our products are sold on the condition that the user shall evaluate them, as well as our recommendations, to determine their suitability for a particular purpose. The user is solely responsible for the selection of MCM products.



Pack Sizes :

25 Kg (Part A) + 5 ltr (Part B) Can

