



MYK LATICRETE

DWA 215[®] Plus 2 Part hybrid adhesive



The DWA 215[®] Plus Adhesive is a two-Part hybrid thinset adhesive designed for installing large format tiles & stones on substrates like drywall, cement boards, concrete and plaster.

Features / Benefits

- Two part hybrid system
- Conforms to D2TES2 designation
- Smooth, creamy consistency for excellent workability and trowel ability
- Can be mixed by hand.
- Foot traffic in 24 hours.
- Suitable for large format tiles and stones
- Performs well under challenging conditions.
- Versatile-can be used for tile-on-tile applications.
- Bonds strongly to cement floors, plasters, MIVAN concrete, dry walls, cement boards, etc.,
- Moisture resistant

Substrates

- All types of Drywalls (Except Metal & Plastics)
- Gypsum boards
- Cement terrazzo,
- Calcium silicate boards
- Green boards
- Cement backer boards – All types
- Resilient boards
- Marine Plywood
- MDF and HDF boards
- Brick masonry
- Concrete masonry
- MIVAN concrete
- Existing Tile surface
- Existing Stone surface
- **NOTE: Not for use on Metallic and Plastic substrates and for metallic & Plastic tiles.**

Application

Designed especially for the interior and exterior floor and wall installation of all types of Large format tiles & stones on drywall substrates, cement plasters, Shear walls like MIVAN substrates.

Certifications

EN 12004: D2TES2

IS 15477: Type 4TS2

Member of
Indian Green Building Council



ANSI A136.1

TECHNICAL DATA

Applicable Standards:

1. ANSI A136.1
2. ISO 13007 / EN 12004: D2TES2
3. IS 15477: Type 4TS2.

Performance Properties: DWA 215[®] Plus 2 Part Hybrid Adhesive when Part A & Part B are mixed
Applicable Standards: EN 12004, ANSI & IS 15477

EN DATA		
PROPERTY: Test Method	Requirement	Typical values
Open Time: EN 1346	≥0.5 N/mm2	1.5-2.0
Slip resistance: EN 1308	≤0.5mm	0.3-0.4
Tensile Adhesion strength		
Initial: EN 1348- Clause 8.2	≥1 N/mm2	1.75-2.0
After water immersion: EN 1348- Clause 8.3	≥1 N/mm2	1.35-1.55
Heat Ageing: EN 1348- Clause 8.4	≥1 N/mm2	2.0-2.5
Freeze Thaw Cycles: EN 1348- Clause 8.5	≥1 N/mm2	1.5-1.75
Transverse deformation		
Transverse deformation (Clause 5.6)	≥5.0mm	7-8

The product confirms to D2TES2 as per EN 12004

ANSI DATA		
Property: Test method	Requirement	Typical Values
Open time (30 minutes at 28Days) A118.4 Clause 5.3	≥75 psi (0.5MPa)	100-120
Sag: ANSI A118.4 Clause 6.0	≤0.02 inches (0.5mm)	0.3-0.4
Glazed wall tile shear strength		
Room temp: ANSI A136.1- Clause 6.2.3.1	≥50 psi (0.33MPa)	100-125
7 Days water immersion: ANSI A 136.1- Clause 6.2.3.2	≥50 psi (0.33MPa)	100-125
28Days: ANSI A136.1- Clause 6.2.3.3)	≥50 psi (0.33MPa)	100-150

The product confirms to ANSI A136.1

IS DATA		
Property: Test method	Requirement	Typical Values
Tensile Adhesion		
Dry condition- Annex A (Clause 5.1)	Min. 1.5 N/mm2	1.75-1.85
Wet condition - Annex A (Clause 5.1)	Min. 1 N/mm2	1.5-1.6
Shear Adhesion		
Dry Condition - Annex B (Clause 5.2)	Min. 1.5 N/mm2	1.8-1.9
Heat Ageing -Annex B (Clause 5.2)	Min. 1 N/mm2	1.5-1.8
Wet conditions - Annex B (Clause 5.2)	Min. 1 N/mm2	1.3-1.5
Slip resistance		
Slip Resistance - Annex E (Clause 5.5)	≤0.5mm	0.3-0.4
Transverse deformation		
Transverse deformation (Clause 5.6)	≥5.0mm	7-8

The product confirms to Type 4 TS2 Designation

Performance Properties:

DWA 215[®] Plus

Working Properties at 70° F (21° C)

DWA 215[®] Plus

Open Time	30 minutes
Adjustability Time	30 minutes
Ready to Grout	24 Hours
Time to Foot Traffic	24 hours
Complete strength gain	7 Days

Specifications subject to change without notification.

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Coverage:

Approximately 25 Sq.ft. per 10kg material [PA+PB] with a 6mm×6mm notched trowel for 3mm thickness.

Coverage may vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.

Packaging:

- 10kg (Part A: 2.5kg, Part B: 7.5kg)

Colour:

Off white

Shelf life:

12 months from date of manufacture when stored unopened in a cool, dry place between 10°C and 35°C

Storage:

Range from 10°C to 35°C

Caution: The Part A Appearance may turn to Cream white from white due to under climatic conditions [variations]

Precautions:

- Mix with a hand mixer at low RPM until thoroughly mixed.
- Mixing at high speed can compromise working time/open time.
- DO NOT mix with any other products/components/water. Mix only the given components.
- Once the cap is removed, use the material immediately, otherwise, the products' shelf life will be compromised.
- Mix only the amount of material which can be used within 15 minutes of application.
- Maintain the proper mixed ratio by weighing accurately if part mixing is being done at site. We do not recommend part mixing and ENTIRE material should be mixed with proper planning.
- DO NOT exceed a material bed thickness of 8mm, as this can lead to delayed curing.
- External/outdoor applications in high wind or high temperatures may compromise working time/open time.
- DO NOT place the pail directly under the sun, it must be kept in the shade.

Instructions for use:

Mixing ratio (by weight): Part A: Part B = 1: 3

- Take the contents of Part A and Part B as per the measurement given above in a clean dry container.
- Mix the two components thoroughly by hand or using a low-speed mixer until uniform mix is achieved. Apply adhesive to the substrate with

the recommended notch trowel, then set tiles firmly into place.

INSTALLATION**1. Surface Preparation:**

All surfaces should be between 40° F(4°C) and 104° F(40°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, concrete sealers or curing compounds.

Check the surface to be true to plumb. All slabs must be plumb and true to within ¼" (6mm) in 10 ft (3m). Rough or uneven concrete surfaces should be made smooth with LATICRETE® Screed/Plaster material to provide a wood float (or better) finish.

Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28* days old before application.

*No minimum cure time for concrete slabs when thin-set mortar is mixed with latex additive.

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Do not cover expansion joints with thin set mortar. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". For tile installation over Cement Backer Board: follow TCA installation details W244.

NOTE:1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length;

2. Minimum construction for interior plywood floors:

SUBFLOOR: 5/8" (15mm) thick exterior grade plywood, either plain with all sheet edges

blocked or tongue and groove, over bridged joints spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150mm) o.c. along sheet ends and 8" (200mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3mm) between sheet ends and 1/4" (6mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive.

UNDERLAYMENT: 5/8" (15mm) thick exterior grade plywood fastened 6" (150mm) o.c. along sheet ends and 8" (200mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3mm) to 1/4" (6mm) between sheets and 1/4" (6mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors" for complete details.

3. For all stone with a back protection mesh, it is important to remove the mesh first and also remove the epoxy layer by light grinding to ensure perfect bond with the adhesive.

Mixing:

DWA 215® Plus is a two component, adhesive. Open the lid of the pail, mix Part A & Part B together and apply with the proper sized notched trowel. Take out only the amount of adhesive required for use and keep the lid of the pail closed to prevent skinning of the adhesive in the pail.

NOTE: If adhesive from an open pail is not completely used, seal the pail tightly with the lid and store properly for future use.

It is suggested that the product is kept under recommended storage conditions for effective performance.

Dry Wall application Note:

While using DWA 215® Plus adhesive to install tiles/stone on Dry wall boards like Plywood, Cement Backer board, Calcium Silicate Board, Gypsum wall board, it is important to check with the manufacturer of the board, for the load bearing capacity and internal strength of the board to sustain the loading of tiles and stones. It is recommended to commence work only on such confirmation and seek from them, the methodology of fixing of boards to keep them stable without moving and (warping) bending.

While installing tiles and stones with DWA 215® Plus, on dry wall boards, it is important to see that the joint spaces between the adjacent boards should be carried up to the top of tile and the adhesive mortar is not allowed to enter the space between the boards.

It is recommended to use spacers to create joints while tiling on the drywall boards using DWA 215® Plus.

While filling up the joints between the tiles and stones installed on dry wall boards use highly flexible grout material like MYK Laticrete Stellar Grout or silicone sealants or PU sealants. All plane changes, corners and differential elements must be provided with adequate spacers and shall be filled with flexible filler materials like silicone sealants, acrylic or PU sealants

Cold Weather Note: The setting DWA 215® Plus and grouts are slowed down by low temperatures. Protect finished work for an extended period, with supports, when installing in cold weather. For faster setting, provide heating arrangement to increase ambient temperature at site. Do not set tile when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: The evaporation in PU mortars is accelerated by hot, dry conditions. Apply only when temperature conditions are within the specified range of temperature and protect freshly spread mortar and finished work when installing in temperatures over 95°F (35°C).

NOTE TO THE SPECIFIER AND INSTALLER:

While installing tile/stone on the external walls and floors, we need to provide the joints by creating spaces between the tiles/stones and fill them up with LATICRETE® cement-based grout mixed with LATICRETE® 1776 grout admix plus or

flexible grout. (In the absence of spacer joints, the surface movements can push tiles/stones away from the substrate causing de-bonding of tiles or stones)

The exterior tile / stone installations are provided with joints (spaces) on the periphery of the area without allowing the tile / stone to be bound by the peripheral masonry work or plaster.

Grouting:

Grout installation shall be commenced after a minimum of 24 hours curing time at 70°F (21° C). Grout with MYK Laticrete Stellar Grout, which can accommodate movements and is UV resistant.

Health and Safety Instructions:

- Use rubber hand gloves, safety goggles, while using DWA 215® Plus Adhesive,
- Inhalation: Seek fresh air.
- Ingestion: Washout mouth thoroughly drink water. Seek medical advice if symptoms persist.
- Skin contact: Wash the skin with plenty of water.
- Eye Contact: Flush with water, until irritation subsides. Seek medical advice if symptoms persist.
- Keep out of reach children.

CUSTOMER CARE

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