

MAX 4011 FLEX

(Highly Modified PU Adhesive)

DESCRIPTION:

MAX 4011 FLEX is a highly modified, single component Polyurethane Adhesive for fixing of Ceramic, Vitrified and Natural Stones and Engineered Marble on various substrates like Wood, Water Proof Ply Wood, Dry Wall Boards and Cleaned dry Cement Surfaces, RCC. Where installation must resist physical abuse, shock and mild chemicals for Interior & Exterior applications

Features & Benefits:

- Single Component
- High Strength
- Easy to use, Ready to Use
- Bonds strongly on various substrates
- Type D2TE
- ANSI A118.4 Shear bond strength requirements
- Shock resistant
- Excellent resistance to water & mild chemicals

DIRECTION FOR USE:

Surface preparation is the first and the most important step before the application to get the results and to avoid failure. The substrate must be cleaned and free of dirt, paint, oil, grease, sludge, blistered & loose plaster, fungus & moss etc. by thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with water soaked cloth.

Open **MAX 4011 FLEX** the container, mix with a scoop or trowel and apply the proper notched trowel. Take out only the amount of adhesive required for use and keep the container closed to prevent skinning of the adhesive in the container. Keep the container closed for future use of remaining product. It is suggested to see that the product is kept under recommended storage conditions for effective performance.

PACKING & COVERAGE:

Adhesive Bedding Thickness: 3-4 mm

Approximate Coverage: 5 - 6 Sq. Ft. Per Kg

PACKING : 1 Kg, 5 Kg & 10 Kg

TECHNICAL INFORMATION:

Applicable Standards

ANSI A136.1; EN 12004 & ISO 13007

ANSI Data		
Property: Test Method	Requirement	Typical Values
Open Time (30 Minutes at 28 days): ANSI A118.4 Clouse-5.3	≥ 75 psi (0.50 Mpa)	135 psi-155 psi (0.93-1.06 Mpa)
Sag: ANSI A118.4 Clause 6.0	≤ 0.02 Inches (0.50 mm)	0.008 – 0.012 Inch (0.20-0.30mm)
Glazed wall tile shear Strength		
Room Temp: ANSI A136.1 – Clause 6.2.3.2	>50psi (0.33 Mpa)	155-180 psi (1.06 – 1.24 Mpa)
7 Days water immersion : ANSI A136.1 – Clause 6.2.3.2	>50psi (0.33 Mpa)	105-155 psi (0.72 -1.06 Mpa)
28 Days : ANSI A136.1 – Clause 6.2.3.3	>50ps (0.33 Mpa)	155-180 psi (1.06-1.24 Mpa)

The adhesive mortar conforms to ANSI A136.1

EN / ISO Data		
Property: Test Method	Requirement	Typical Values
Open Time: EN 1346	≥0.50 N/mm ²	1.60 – 2.00 N/mm ²
Slip Resistance : EN 1308	≤ 0.50mm	0.20 – 0.30mm
Tensile Adhesion Strength		
Initial: EN 1348 – Clause 8.2	≥ 1.00 N/mm ²	1.80 – 2.25 N/mm ²
After Water Immersion : EN 1348- Clause 8.4	≥ 1.00 N/mm ²	1.05 – 1.30 N/mm ²
Heat Ageing : EN 1348 – Clause 8.3	≥ 1.00 N/mm ²	1.80 – 2.30 N/mm ²
Freeze – Thaw : EN 1348– Clause 8.5	≥ 1.00 N/mm ²	1.30 – 1.50 N/mm ²

The tile adhesive mortar conforms to EN12004 / ISO 13007 as D2TE Results shown are typical but reflect test procedures used. Actual field performance will depend on application method and site conditions.



HEALTH & SAFETY:

- Use rubber hand gloves & safety goggles, while using **MAX 4011 FLEX**
- Keep out of reach of children.

STORAGE & LIFE:

Best before one year from the date of manufacture when in sealed pack and stored in cool & dry place in unopened condition away from direct sunlight.

TECHNICAL INFORMATION & SERVICES:

Further information and advice, including practical demonstrations are freely available with the Technical Service Department of **SEMITRONE CONCHEM PVT LTD - AHMEDABAD.**

DISCLAIMER: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure the suitability of products meeting their requirements prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results.



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