

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

Registered Office:

MARMO SOLUTIONS PVT. LTD.

(AN ISO 9001:2015 CERTIFIED COMPANY)

MUMBAI: 47A, Ground And First Floor, Parmar
Compound, Highway Road, Vile Parle East,
Mumbai – 400099

DELHI : WHS, 1/18, 2nd Floor Kirti Nagar, Near
Richi Rich, New Delhi - 110015

Customer No: +91 11 40586081

Web.: www.marmosolutions.com

For any query/feedback

E-Mail: info@marmosolutions.com

CIN : U74140DL2013PTC252178

E-Mail ID: info@marmosolutions.com

Office hours: Monday to Saturday (10AM-6PM)



1. Product Description:

Marmoflex-ECO is a high-performance, cement-based, polymer-modified C1T adhesive designed for installing small to medium-sized ceramic, porcelain, and natural stone tiles. Its polymer- modified formulation delivers improved adhesion, flexibility, and better workability, making it suitable for both interior and exterior applications. Marmoflex-ECO complies with C1T classification under EN 12004 standards and T2 IS:15477:2019, assuring consistent quality and reliability. It is ideal for application on a variety of substrates, including concrete, screeds and plastered surfaces.

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,
Parmar Compound, Highway Road,
Vile Parle East, Mumbai-400099
DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near
Richi Rich, New Delhi- 110 015
Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

2. Product Features:

- **(C1T) and Type-2 Classification:** As per **EN 12004** and **IS 15477:2019**, suitable for standard tile and stone fixing applications.
- **Cement- Based Polymer-modified Adhesive:** Improved adhesion and strength that ensure strong bonding and enhanced flexibility.
- **Smooth Consistency:** Allowing easy trowelling and consistent spreadability.
- **Water and Heat Resistance:** Suitable for use in wet areas and those exposed to thermal variations.
- **Long Open Time:** Allows extended workability for tile placement.
- **Eco- Friendly:** Low in VOC, suitable for environmentally sensitive projects.
- **Uniform adhesive Coverage:** Designed for controlled thin- layer application, ideally 6mm thick.
- **Tile & Marble Installation:** Suitable for ceramic, porcelain, vitrified tiles and natural stones.
- **Cementitious Surface for Application-** Ideal for cementitious substrates such as concrete, screeds, and cement plaster surfaces.
- **Ideal for use in Wet Areas:** Perfect for use in areas prone to moisture, such as bathrooms, kitchens, and swimming pools.
- **High durability:** Offers extended service life under heavy foot traffic, mechanical stress, and environmental exposure.
- **Slip Resistance:** Suitable for vertical applications with minimal tile slip, ensuring precision in tiling projects.

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,

Parmar Compound, Highway Road,

Vile Parle East, Mumbai-400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near

Richi Rich, New Delhi- 110 015

Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

3. Product Specifications:

Classification: C1T (EN 12004) and T2 (IS:15477:2019)

Component Type: Cement-based, polymer-modified

Color: Grey or White

Packaging: 20 Kg & 50 Kg Bag

Mixing Ratio: Approx. 4.5 – 5 litres of ≤ 200 Tds water per 20 Kg bag

Open Time: 30 minutes

Pot Life: 4-5 hours at 25°C

Adjustability Time: Up to 30 minutes

Application Temperature: +5°C to +35°C

Slip Resistance: ≤ 0.5 mm

Application Thickness: 6-8 mm

Full Cure: After 7 days

Initial Bond Strength: ≥ 1.0 N/mm² (After 28 Days)

Bond Strength after Water Immersion: ≥ 1.0 N/mm²

Bond Strength after Heat Aging: ≥ 1.0 N/mm²

Bond Strength after Freeze-Thaw Cycles: ≥ 1.0 N/mm²

Crack Bridging Ability: Upto to 1.0 mm

Coverage: 1.3 Kg/m² per mm thickness (approx. 4-6 kg/m² depending on tile size and substrate)

Shelf Life: 12 months in original, unopened packaging

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,

Parmar Compound, Highway Road,

Vile Parle East, Mumbai-400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near

Richi Rich, New Delhi- 110 015

Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

4. Application Guidelines:

1. Surface Preparation:

- Ensure the substrate is structurally sound, clean, and free from dust, grease, or loose materials.
- Pre-dampen absorbent surfaces before applying Marmoflex-ECO, but avoid leaving standing water.
- Uneven surfaces must be levelled and repaired before stone tile installation.

2. Mixing Instructions:

- Add approximately 4.5-5 litres of clean ≤ 200 tds water to a 20 KG bag of Marmoflex-ECO adhesive.
- Mix with a mechanical mixer until a smooth, homogenous consistency is achieved.
- Allow the mixture to rest for 5 minutes and then re-stir before use.

3. Application Method:

- Use a notched trowel to spread the adhesive evenly on the substrate.
- Comb the adhesive in one direction only to ensure uniform bed thickness.
- Press tiles firmly into the adhesive, ensuring proper bonding within the open time of 30 minutes.
- For large-format tiles or heavy stone, back-buttering may be necessary for full adhesion.
- Adjust tiles within the adjustability time of 30 minutes.

4. Grouting:

- Allow 24 hours of curing time before grouting. Ensure proper joint width for movement accommodation.

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,

Parmar Compound, Highway Road,

Vile Parle East, Mumbai-400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near

Richi Rich, New Delhi- 110 015

Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

5.Storage and Handling:

• Storage:

Store in a cool, dry place away from moisture. Keep the packaging sealed when not in use.

• Handling:

Wear protective gloves and goggles while handling the product.

In case of skin or eye contact, rinse thoroughly with clean water. If inhaled, move to fresh air and seek medical attention if necessary.

• Health and Safety:

Refer to the product's Safety Data Sheet (SDS) for detailed information on safe handling practices, disposal, and health precautions. Follow local regulations regarding product handling and disposal.

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,

Parmar Compound, Highway Road,

Vile Parle East, Mumbai-400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near

Richi Rich, New Delhi- 110 015

Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-ECO

6.DO'S & DON'TS

• DO'S

- Substrate must be sound, clean, dry, and properly cured
- Do mix the adhesive strictly as per the recommended water ratio, using clean potable water.
- Do fix tiles within the open time of the adhesive to achieve proper bonding.
- Do allow adequate curing time before grouting or allowing foot traffic.
- Do clean tools and excess adhesive immediately with clean water before the material hardens.
- Application conditions must comply with recommended temperature and site conditions.

• DON'TS

- Not suitable for application on non-cementitious substrates.
- Do not use on uneven or weak substrates; level and repair the surface before application.
- Do not mix with excess water or add cement, sand, lime, or any other additives to the adhesive.
- Do not apply on wet, damp, or uncured surfaces.
- Do not apply adhesive beyond its open time; discard material that has started to skin or dry.
- Not intended for large-format slabs or heavy-duty industrial applications.
- Do not allow foot traffic or grouting before the recommended curing time.
- Do not store opened bags for extended periods; use opened material immediately.
- Do not assume adhesive can correct surface level differences; this is not a levelling compound.

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MUMBAI: 47A, Ground And First Floor,

Parmar Compound, Highway Road,

Vile Parle East, Mumbai-400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near

Richi Rich, New Delhi- 110 015

Tel. No: +91 11 40586081



www.marmosolutions.com



For any query/feedback

E-Mail: info@marmosolutions.com