

# TECHNICAL DATA SHEET

**Product Name: MARMOFLEX**

**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](http://www.marmosolutions.com)

For any query/feedback

E-Mail: [info@marmosolutions.com](mailto:info@marmosolutions.com)

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



MARMO SOLUTIONS

## 1. Product Description:

**Marmoflex is a high-performance, cement-based, polymer-modified 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 complies with C1TE classification under EN 12004 standards, TYPE 2T IS:15477:2019 and ANSI A118.4 standards assuring consistent quality and reliability. It is ideal for application on a variety of substrates, including concrete, screeds and plastered surfaces.**

**Manufactured by:**

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

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

Rohad, Dis. Jhajar, Haryana-124501

**Marketed By/ Exporter:**

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## 2. Product Features:

- **Cement-Based Polymer-Modified Adhesive:** Ensures high adhesion and flexibility.
- **EN: CITE, IS: TYPE 2T and ANSI A118.4 Classification:** High-performance adhesive with improved bonding strength, extended open time, and slip resistance.
- **Slip Resistance:** Suitable for vertical applications, minimizing tile slippage during installation.
- **Extended Open Time:** Allows for easier handling and tile adjustment during application.
- **Strong Shear Strength:** Provides excellent performance in high-stress applications, including heavy tiles and exterior facades.
- **Tile Installation:** Suitable for ceramic, porcelain, vitrified, and natural stone tiles.
- **Interior and Exterior Use:** Can be used on both walls and floors, indoors and outdoors.
- **Wet Areas:** Ideal for bathrooms, kitchens, swimming pools, and other moisture-prone areas.

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## 3. Product Specifications:

- **Classification:** CITE (EN 12004), 2T (IS:15477:2019) and ANSI A118.4
- **Component Type:** Cement-based, polymer-modified
- **Colour:** Grey or white
- **Packaging:** 20 KG bags
- **Mixing Ratio:** Approx. 4.5- 5 litres of  $\leq 200$  Tds water per 20 KG bag
- **Open Time:**  $\geq 30$  minutes
- **Pot Life:**  $\leq 30$  minutes
- **Adjustability Time:** Up to 40 minutes
- **Application Temperature:**  $+5^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$
- **Slip Resistance:**  $\leq 0.5$  mm
- **Tensile Adhesion**
  - a) **Dry Condition:**  $\geq 1.0$  N/mm<sup>2</sup>
  - b) **Wet Condition:**  $\geq 1.0$  N/mm<sup>2</sup>
- **Shear Adhesion**
  - a) **Dry Condition:**  $\geq 1.25$  N/mm<sup>2</sup>
  - b) **Heat Ageing:**  $\geq 1.0$  N/mm<sup>2</sup>
  - c) **Wet Condition:**  $\geq 1.0$  N/mm<sup>2</sup>
- **Coverage:** 1.3 kg/m<sup>2</sup> per mm thickness (approx. 4-6 kg/m<sup>2</sup>, depending on tile size and substrate)
- **Shelf Life:** 12 months in original, unopened packaging (Under 25°C at dry conditions).

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## 4. Application Guidance:

### 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, but avoid leaving standing water.

### 2. Mixing Instructions:

- Add approximately 4.5-5 litres of clean  $\leq 200$ tds water to a 20 KG bag of Marmoflex 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.
- Press tiles firmly into the adhesive, ensuring proper bonding within the open time of 40 minutes.
- For large-format tiles or heavy stone, back-buttering may be necessary for full adhesion.
- Adjust tiles within the adjustability time of 40 minutes.

### 4. Grouting:

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

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## 5.DO'S & DON'TS

### • DO'S

- Substrate must be sound, clean, dry, and properly cured.
- Do mix the adhesive strictly as per the recommended  $\leq 200$  Tds 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.
- Do not allow foot traffic or grouting before the recommended curing time.
- Do not store opened bags for extended periods; use the opened material immediately.

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## 6.Storage and Handling:

### • Storage:

Store in a cool, dry place (under 25°C) 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.

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TC-9061

**GVM TEST HOUSE**  
AND RESEARCH CENTRE PVT. LTD.

TESTING | TRAINING | AUDITING

Test Order Ref: GVM/TA/09627-9/03/2026  
ULR: TC90612600000917F

Date: 27.02.2026  
Page No. 1 of 1

**MARMO SOLUTIONS PRIVATE LIMITED**

Ground and 1st Floor, Shop No. 47 A, Parmar Compound,  
Near Laxmi Narayan Temple, Highway Road,  
Vile Parle East Mumbai, Maharashtra-400099

**TEST REPORT ON TILE ADHESIVE**

Source of Sample : Sample supplied by the customer.  
Number of samples Tested : 01 (One only).  
Customer's Reference : Request dt. -28.01.2026  
Lab Reference Number : 2026/JAN/09627-9  
Date of Receipt : 28.01.2026  
Condition of sample : Satisfactory  
Sample Identification # : Marmoflex Grey Tile Adhesive  
Water Powder Ratio # : 22.5 %  
Period of Test : 29.01.2026 to 26.02.2026  
Technical Reference : IS: 15477:2019

**PHYSICAL PROPERTIES:**

Sl. No.	Test Conducted	Average Results	Requirements As per IS: 15477-2019				
			Type 1	Type 2	Type 3	Type 4	Type 5
1	Tensile Adhesion (N/mm <sup>2</sup> )						
	a) Dry Condition	1.29	Min. 0.5	Min. 1.0	Min. 1.5	Min. 1.5	Min. 2.0
	b) Wet Condition	1.16	-	Min. 1.0	Min. 1.0	Min. 1.0	-
2	Shear Adhesion (N/mm <sup>2</sup> )						
	a) Dry Condition	1.39	Min. 1.0	Min. 1.25	Min. 1.5	Min. 1.5	Min. 6.0
	b) Heat Ageing	1.24	-	Min. 1.0	Min. 1.0	Min. 1.0	Min. 3.0
	c) Wet Condition	1.16	-	Min. 1.0	Min. 1.0	Min. 1.0	-
3	Open Time (Minutes)	25	Not Specified				
4	Adjustability (Minutes)	30	Not Specified				
5	Slip (mm)	0.25	Shall not be more than 0.5 mm				

# As furnished by the customer.

Remark: Marmoflex Grey Tile Adhesive conform to the requirements of Type-2 'T' Tile Adhesive as per IS 15477-2019.

- Note:
1. The results relate only to the items tested.
  2. Report shall not be reproduced except in full, without the written approval of the lab.
  3. Any correction invalidates this report.

For GVM TEST HOUSE AND RESEARCH CENTRE PVT. LTD.



**DINESH BURDE**

*[Signature]*  
Authorised Signatory



Reviewed by

*[Signature]*  
Ashok Nagar





Confederation of Indian Industry

## ***CII-Green Products and Services Council***

*hereby certifies that*

**Marmo Flex**

(GPAVI146002)

*Mfg by Anav Industries, Mktd by Marmo Solution Pvt Ltd at Jajjar, Haryana meets  
the requirements of GreenPro Ecolabel and qualifies as Green Product.*

*This certification is valid till **December 2027***

**Jamshyd N Godrej**  
Chairman, CII-Godrej GBC

**A R Unnikrishnan**  
Chairman, CII-Green Products & Services Council

**K S Venkatagiri**  
Executive Director, CII-Godrej GBC

*Supporting Council and programmes*

