

TECHNICAL DATA SHEET

Product Name: MARMOFLEX-W

Manufacturer :

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:

MARMO SOLUTIONS PVT. LTD.

Office Address :

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

Website: www.marmosolutions.com

E-mail ID: info@marmosolutions.com

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



1. Product Description:

Marmoflex-W is a high-performance, two-component, cement-based, polymer-modified adhesive, classified as C2TES2 under EN 12004, T4S2 under IS:15477:2019 and ANSI A118.15 standards. This deformable adhesive is specifically designed for installing ceramic, porcelain, and natural stone tiles in environments that experience substrate movement, such as floors with underfloor heating or exterior facades. Marmoflex-W offers excellent flexibility, strong bonding, and extended open time, making it ideal for both interior and exterior use in demanding applications.

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-W

2. Product Features:

- **Cement-Based, Two-Component, Polymer Modified Adhesive:** Formulated to provide high adhesion, flexibility, and deformability.
- **EN: C2TES2, IS: TYPE 4T, ANSI A118.15 Classification:** High-performance adhesive with enhanced bond strength, extended open time, and slip resistance, suitable for substrates with movement.
- **Deformable (S2):** Accommodates structural movements, making it ideal for use on substrates that experience thermal or mechanical stresses.
- **Extended Open Time:** Provides more workability time, allowing for easier tile placement and adjustments during installation.
- **Slip Resistance:** Suitable for vertical applications with minimal tile slippage.
- **Water and Heat Resistance:** Performs well in areas exposed to moisture and temperature fluctuations, such as bathrooms and kitchens.
- **Durable in Freeze-Thaw Cycles:** Suitable for exterior use in cold climates, resisting damage caused by freeze-thaw cycles.
- **Strong Adhesion:** Ensures reliable bonding for large-format tiles and natural stones, even on challenging substrates.
- **Facade Tiling:** Perfect for vertical tiling applications that require deformability and strength.

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-W

3. Product Specifications:

- **Classification:** C2TES2 (EN 12004), T4S2 (IS:15477:2019) and ANSI A118.15
- **Component Type:** Cement-based, polymer-modified
- **Color:** Grey or white
- **Packaging:** 20 KG Powder + 5 KG Liquid Kit
- **Mixing Ratio:** Approx. 4.5-5 litres component B liquid part per 20 KG bag
- **Open Time:** ≥ 30 minutes
- **Pot Life:** 4 - 5 hours at 25°C
- **Adjustability Time:** ≥ 30 minutes
- **Application Temperature:** +5°C to +35°C
- **Slip Resistance:** ≤ 0.5 mm
- **Tensile Adhesion**

a) **Dry Condition:** ≥ 1.5 N/mm²

b) **Wet Condition:** ≥ 1.0 N/mm²

• Shear Adhesion

a) **Dry Condition:** ≥ 1.5 N/mm²

b) **Heat Ageing:** ≥ 1.0 N/mm²

c) **Wet Condition:** ≥ 1.0 N/mm²

- **Deformability:** ≥ 5.0 mm upto 10 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 (Under 25°C at dry condition)

Marketed By/ Exporter:



TECHNICAL DATA SHEET

Product Name: MARMOFLEX-W

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-W, but avoid leaving standing water.

2. Mixing Instructions:

- Add approximately 4.5-5 litres of component B liquid part to a 20 KG bag of Marmoflex-W 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.

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-W

5.DO'S & DON'TS

• DO'S

- Do mix the adhesive only with the supplied liquid latex component. Do not add water.
- Substrate must be sound, clean, dry, and properly cured.
- Do mix the adhesive strictly as per the recommended ratio with latex.
- Do provide movement joints as per structural design.
- Do ensure substrates exposed to vibration or movement are structurally stable before application.
- Do fix the stone within the open time of the adhesive to achieve proper bonding.
- Do allow adequate curing time before grouting or allowing foot traffic.
- Application conditions must comply with recommended temperature and site conditions.
- Do use back-buttering for large format tiles and heavy natural stones to ensure full adhesive contact.

• DON'TS

- Not suitable for application on non-cementitious substrates.
- Do not mix partial quantities without maintaining the exact powder-to-liquid ratio.
- Do not use on uneven or weak substrates; level and repair the surface before application.
- Do not mix with water or add cement, sand, lime, or any other additives to the adhesive.
- Do not expose the installation to thermal shock or heavy loads before full curing.
- Do not apply adhesive beyond its open time; discard material that has started to skin or dry.
- Do not store opened bags for extended periods; use opened material immediately.

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-W

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.

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



23-24, Yashodeep Heights,
Plot No. 14/15, Sector 29C,
Rabale-Ghansoli Node,
Navi Mumbai - 400 701, INDIA.
Phone: +91 93244 69890
Email: lab@gvmtesthouse.com
www.gvmtesthouse.com



TC-9061

GVM TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

TESTING | TRAINING | AUDITING

Test Order Ref: GVM/TA/09627-11/03/2026
ULR: TC90612600000925F

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/09627-11
Date of Receipt : 28.01.2026
Condition of sample : Satisfactory
Sample Identification # : Marmoflex W
Mixing Ratio # : Powder : Liquid = 20 Kg : 5 Kg
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 ²)						
	a) Dry Condition	2.13	Min. 0.5	Min. 1.0	Min. 1.5	Min. 1.5	Min. 2.0
	b) Wet Condition	1.39	-	Min. 1.0	Min. 1.0	Min. 1.0	-
2	Shear Adhesion (N/mm ²)						
	a) Dry Condition	1.88	Min. 1.0	Min. 1.25	Min. 1.5	Min. 1.5	Min. 6.0
	b) Heat Ageing	1.62	-	Min. 1.0	Min. 1.0	Min. 1.0	Min. 3.0
	c) Wet Condition	1.46	-	Min. 1.0	Min. 1.0	Min. 1.0	-
3	Open Time (Minutes)	35	Not Specified				
4	Adjustability (Minutes)	40	Not Specified				
5	Slip (mm)	0.38	Shall not be more than 0.5 mm				
6	Deformability (mm)	7.09	Deformable adhesive, S1 ≥ 2.5 mm, < 5.0 mm Highly deformable adhesive, S2 ≥ 5.0 mm				

As furnished by the customer.

Remark: Marmoflex S2 White Tile Adhesive conform to the requirements of Type-4 'T' S2 Tile Adhesive as per IS 15477-2019.

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

For GVM TEST HOUSE AND RESEARCH CENTRE PVT. LTD.



DINESH BURDE

(Signature)

GVM TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

Authorised Signatory



Reviewed by

(Signature)
Ashok Nagar

Regd. Office:

402, Yogesh Apartment CHS, Plot No. 26, Sector 8A, Airoli, Navi Mumbai - 400 708, INDIA.



ISO 9001:2015 Certified



Confederation of Indian Industry

CII-Green Products and Services Council

hereby certifies that

Marmo Flex-W with Liquid

(GPAVI146013)

*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

