



# CONSTROLOGIX ENGINEERING & RESEARCH SERVICES PVT. LTD.

Plot No.58/1,D-III,Block, Chinchwad,Pune,Maharashtra,India

Contact no.+91 9021232299 |Email : info@constrologix.com, | www.constrologix.com



TC-6012

## TEST REPORT TILE ADHESIVE

Sample No.	SM26071162	Report No.	TR25100131 - 2
Customer Name	KAYRA CORPORATION PRIVATE LIMITED	Date of Receipt	08/10/2025
Customer Address	604, Radhe Times Square, Near PDPU Cross Road, Koba, Gandhinagar , GANDHINAGAR, Maharashtra, --362421		
Site	604, Radhe Times Square, Near PDPU Cross Road, Koba, Gandhinagar , GANDHINAGAR, Maharashtra, --362421		
Letter Ref	--	Date of Testing	11/11/2025
Id No	T2 W/P - 22 %	Report Date	12/11/2025
Type	--	Sample Condition	Satisfactory
ULR Number	TC601225000017749F	MAKE/SUPPLIER	--

### TEST RESULTS FOR TILE ADHESIVE :

Sr. No.	Test particular	Test Method	Test Results	Specified Limits as Per Type				
				Type 1	Type 2	Type 3	Type 4	Type 5
1	Tensile Adhesion Strength ,N/mm <sup>2</sup>	IS 15477	--					
1.1	a) Dry Condition-14 days	Tensile strength	Remark					
		i) 1.17	Cohesive failure in tile adhesive					
		ii) 1.10	Cohesive failure in tile adhesive					
		iii) 1.34	Cohesive failure in tile adhesive	--	--	--	--	--
		iv) 1.41	Cohesive failure in tile adhesive					
		v) 1.24	Cohesive failure in tile adhesive					
	Avg. 1.25							
	b) Dry Condition-28 days	i) 1.33	Cohesive failure in tile adhesive					
		ii) 1.38	Cohesive failure in tile adhesive					
		iii) 1.34	Cohesive failure in tile adhesive	0.5	1.0	1.5	1.5	2.0
		iv) 1.35	Cohesive failure in tile adhesive					
v) 1.24		Cohesive failure in tile adhesive						
Avg. 1.33								
1.2	Wet Condition	i) 1.22	Cohesive failure in tile adhesive					
		ii) 1.18	Cohesive failure in tile adhesive					
		iii) 1.22	Cohesive failure in tile adhesive					
		iv) 1.34	Cohesive failure in tile adhesive	--	1.0	1.0	1.0	--
		v) 1.17	Cohesive failure in tile adhesive					
		Avg. 1.23						
2	Shear Adhesion Strength, N/mm <sup>2</sup>		--	--	--	--	--	
2.1	a) Dry Condition 14 days		1.33	--	--	--	--	
	b) Dry Condition 28 days		1.54	1.0	1.25	1.5	1.5	6.0
2.2	Heat Aging Condition		1.07	--	1.0	1.0	1.0	3.0



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2.3	Wet Condition		1.06	--	1.0	1.0	1.0	--
3	Open Time , Minutes		40	--	--	--	--	--
4	Adjustment Time, Minutes		35	--	--	--	--	--
5	Slip , mm		0.28	Shall not be more than 0.5 mm				
6	Deformability, mm		2.43	Deformable adhesive ,S1>=2.5mm,<5mm				

Remark-

Conclusion :

Note: i) The test report and result relate to the particular specimen/ sample (s) of the material as delivered /received and tested in the laboratory. ii)The details given in ID Mark are as provided by Customer in test request form/letter iii) Any test report shall not be reproduced except in full, without the written permission from CERSPL.



[Scan to Authenticate report]



Reviewed By  
Nana Kale

END OF REPORT

Authorised Signatory

Ganesh Dase ( Technical  
Manager )

For, Constrologix Engineering &  
Research Services Pvt. Ltd.

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## TECHNICAL DATA SHEET

### PRODUCT NAME:

**KA T2 Tile Adhesive**  
**(C2TE Type 2 – Polymer Modified Cementitious Tile Adhesive)**



### DESCRIPTION:

KA T2 Tile Adhesive is a **polymer-modified, cement-based adhesive** designed for internal and external fixing of ceramic, vitrified, and natural stone tiles. It provides high bond strength, good flexibility, and water resistance, making it ideal for wet areas and medium-duty applications.

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### FEATURES & BENEFITS:

- Single component, just add water
- Exterior applications, polymer modified
- Economical & Easy to use
- Bonds to various substrates
- Exceeds ANSI A118.4 shear bond strength requirements
- Complies with EN / ISO with a C2TE classification.
- Exceeds IS 15477:2019 – Type 2 T Adhesive standards.
- Can be fortified with latex admix for use on external Wall area.

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### RECOMMENDED USES:

- Internal & external wall and floor tiling
- Bathrooms, kitchens, terraces, and balconies
- Suitable for ceramic, vitrified, and natural stone tiles
- Can be applied on concrete, plaster, blockwork, screed, etc.

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### Substrates

- Concrete
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster
- Existing Vitrified Tile\* & Ceramic Tile\*

- Brick Masonry
- Cement Terrazzo\*
- Existing Natural Stone\*

\* Surface to be cleaned and roughened before installation of tiles or stones.

## TECHNICAL DATA:

S. No.	Tests	Test Methods & Clause No.	Requirements	Results
<b>1</b>	<b>Tensile Adhesion Strength, Min, N/mm<sup>2</sup> -</b>			
(a)	Dry Condition	IS 15477:2019 Annex: A Clause No. 5.1	1.0 Min.	1.33
(b)	Wet Condition		1.0 Min.	1.23
<b>2</b>	<b>Shear Adhesion Strength, N/mm<sup>2</sup></b>			
(a)	Dry Condition	IS 15477:2019 Annex: B Clause No. 5.2	1.25 Min.	1.54
(b)	Heat Aging Condition		1.0 Min.	1.07
(c)	Wet Condition		1.0 Min.	1.06
<b>3</b>	<b>Open Time, Minutes</b>	IS 15477:2019 Annex: C Clause No. 5.3	Open time shall not be less than that stated by manufacturer	40
<b>4</b>	<b>Adjustment Time, Minutes</b>	IS 15477:2019 Annex: D Clause No. 5.4	Adjustment time shall not be less than that stated by manufacturer	35
<b>5</b>	<b>Slip (Required for Vertical Application only),mm</b>			
(a)	Average	IS 15477:2019 Annex: E Clause No. 5.5	0.5 Max.	0.28
<b>6</b>	<b>Deformability (Required for Vertical Application only),mm</b>			
(a)	Deformable Adhesive, S1	IS 15477:2019 Annex: F Clause No. 5.6	2.5 – 5.0	2.43

## COVERAGE:

Approx. 55-60 Sft per 20kg bag with 1/4" x 1/4" (6mm x 6mm) square notched trowel for average bed of 3mm.

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

## PACKAGING:

Available in **20 kg** and **40 kg** multi-layer laminated bags.

Colour: Grey and White

## SHELF LIFE & STORAGE:

12 months in sealed condition, stored in a dry and cool environment.

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## SURFACE PREPARATION:

Ensure the substrate is clean, sound, level, and free from dust, grease, and laitance. Dampen the surface if excessively dry before application.

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## MIXING INSTRUCTIONS:

1. Pour clean water into a clean container.
  2. Gradually add the tile adhesive powder into the water while mixing.
  3. Mix with a mechanical stirrer for 3–5 minutes to achieve a smooth, lump-free paste.
  4. Let the mix stand for 5 minutes, then remix before application.
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## PRECAUTIONS:

- Do not use on metal, wood, or painted surfaces.
  - Not recommended for heavy stones with moisture-sensitive back.
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**Disclaimer:** Kayra construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies of which may be obtained on request. Kayra's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.