



# 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

<b>Sample No.</b>	SM26071163	<b>Report No.</b>	TR25100131 - 3
<b>Customer Name</b>	<b>KAYRA CORPORATION PRIVATE LIMITED</b>	<b>Date of Receipt</b>	08/10/2025
<b>Customer Address</b>	604, Radhe Times Square, Near PDPU Cross Road, Koba, Gandhinagar , GANDHINAGAR, Maharashtra, --362421		
<b>Site</b>	604, Radhe Times Square, Near PDPU Cross Road, Koba, Gandhinagar , GANDHINAGAR, Maharashtra, --362421		
<b>Letter Ref</b>	--	<b>Date of Testing</b>	12/11/2025
<b>Id No</b>	T3 W/P - 23 %	<b>Report Date</b>	12/11/2025
<b>Type</b>	--	<b>Sample Condition</b>	Satisfactory
<b>ULR Number</b>	TC601225000017807F	<b>MAKE/SUPPLIER</b>	--

### 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	<b>Tensile Adhesion Strength ,N/mm<sup>2</sup></b>	IS 15477	--	--	--	--	--	--	--
1.1	<b>a) Dry Condition-14 days</b>		<b>Tensile strength</b>	<b>Remark</b>					
			i) 1.58	Cohesive failure in tile adhesive					
			ii) 1.47	Cohesive failure in tile adhesive					
			iii) 1.70	Cohesive failure in tile adhesive	--	--	--	--	--
			iv) 1.57	Cohesive failure in tile adhesive					
			v) 1.61	Cohesive failure in tile adhesive					
		<b>Avg. 1.59</b>							
	<b>b) Dry Condition-28 days</b>		i) 1.87	Cohesive failure in tile adhesive					
			ii) 1.84	Cohesive failure in tile adhesive					
			iii) 1.81	Cohesive failure in tile adhesive	0.5	1.0	1.5	1.5	2.0
			iv) 1.56	Cohesive failure in tile adhesive					
		v) 1.62	Cohesive failure in tile adhesive						
	<b>Avg. 1.74</b>								
1.2	<b>Wet Condition</b>		i) 1.36	Cohesive failure in tile adhesive					
			ii) 1.46	Cohesive failure in tile adhesive					
			iii) 1.36	Cohesive failure in tile adhesive					
			iv) 1.26	Cohesive failure in tile adhesive	--	1.0	1.0	1.0	--
			v) 1.41	Cohesive failure in tile adhesive					
			<b>Avg. 1.37</b>						
2	<b>Shear Adhesion Strength, N/mm<sup>2</sup></b>		--	--	--	--	--	--	
2.1	<b>a) Dry Condition 14 days</b>		1.56	--	--	--	--	--	
	<b>b) Dry Condition 28 days</b>		1.63	1.0	1.25	1.5	1.5	6.0	
2.2	<b>Heat Aging Condition</b>		1.06	--	1.0	1.0	1.0	3.0	



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2.3	Wet Condition		1.13	--	1.0	1.0	1.0	--
3	Open Time , Minutes		45	--	--	--	--	--
4	Adjustment Time, Minutes		35	--	--	--	--	--
5	Slip , mm		0.25	Shall not be more than 0.5 mm				
6	Deformability, mm		3.01	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.

## PRODUCT NAME:

**KA T3 Tile Adhesive  
(C2TES1 Type 3 – High-Performance Polymer  
Modified Cementitious Tile Adhesive)**



## DESCRIPTION:

KA T3 Tile Adhesive is a **high-performance, polymer-enriched cementitious tile adhesive** specially formulated for demanding applications. It is ideal for fixing large format tiles, vitrified tiles, and natural stones in internal and external areas, including wet and submerged conditions.



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## FEATURES & BENEFITS:

- Single component, just add water
- High strength, polymer modified
- Economical & easy to use
- Can be used up to a maximum of 12 mm bed thickness
- Bonds to various substrates
- Exceeds ANSI A118.4 shear bond strength requirements
- Complies with EN / ISO with a C2TES1 classification
- Exceeds IS 15477:2019 – Type 3 T Adhesive standards
- Water, Heat and shock resistant

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## RECOMMENDED USES:

- Interior and exterior wall & floor tiling
  - Swimming pools, fountains, bathrooms, terraces, and wet areas
  - Ideal for vitrified, porcelain, ceramic, granite, marble, and natural stones
  - Suitable on concrete, plaster, screeds, and cement boards
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## TECHNICAL DATA:

S. No.	Test Description	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	1.5 Min.	1.74
(b)	Wet Condition		1.0 Min.	1.37
<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	1.5 Min.	1.63
(b)	Heat Aging Condition		1.0 Min.	1.06
(c)	Wet Condition		1.0 Min.	1.13
<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 Declared value = 15 Minutes (Min.)	45
<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. Declared value = 20 Minutes (Min.)	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.	0.25
<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	3.01

BJM | TILE ADHESIVE | WATERPROOFING

## COVERAGE:

Coverage:

Approx. 55 Sft per 20 kg pack using 1/4 x 1/4 (6mm x 6mm) square notched trowel for a bed of 3mm.

(Can be used up to a maximum bed thickness of 12 mm) 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** laminated bags.

**Colour:**

Grey and white

## SHELF LIFE & STORAGE:

12 months from date of manufacture when stored in a cool, dry place in unopened packaging.

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## SURFACE PREPARATION:

Surface must be hard, clean, dry, free from dust, grease, and loose particles. Saturate absorbent surfaces with water prior to application.

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## MIXING INSTRUCTIONS:

1. Add the measured quantity of clean water into a container.
  2. Slowly pour in Type 3 Tile Adhesive while mixing mechanically.
  3. Mix thoroughly to get a smooth, lump-free paste.
  4. Rest the mix for 5 minutes, remix, and use.
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## PRECAUTIONS:

- Not suitable for metal or wooden substrates.
  - For moisture-sensitive stones, consult manufacturer.
  - Protect from direct water contact for minimum 24–48 hours after fixing.
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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.