



# 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>	SM26073137	<b>Report No.</b>	TR25100238 - 1
<b>Customer Name</b>	<b>KAYRA CORPORATION PRIVATE LIMITED</b>	<b>Date of Receipt</b>	14/10/2025
<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>	T4 W/P - 23 %	<b>Report Date</b>	12/11/2025
<b>Type</b>	--	<b>Sample Condition</b>	Satisfactory
<b>ULR Number</b>	TC601225000017895F	<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) 1.69	Cohesive failure in tile adhesive					
			ii) 1.67	Cohesive failure in tile adhesive					
			iii) 1.60	Cohesive failure in tile adhesive					
			iv) 1.58	Cohesive failure in tile adhesive					
			v) 1.75	Cohesive failure in tile adhesive					
			<b>Avg. 1.66</b>						
1.1	<b>b) Dry Condition-28 days</b>		i) 2.01	Cohesive failure in tile adhesive	0.5	1.0	1.5	1.5	2.0
			ii) 1.88	Cohesive failure in tile adhesive					
			iii) 1.83	Cohesive failure in tile adhesive					
			iv) 1.76	Cohesive failure in tile adhesive					
			v) 1.77	Cohesive failure in tile adhesive					
			<b>Avg. 1.85</b>						
1.2	<b>Wet Condition</b>	i) 1.46	Cohesive failure in tile adhesive	--	1.0	1.0	1.0	--	
		ii) 1.55	Cohesive failure in tile adhesive						
		iii) 1.63	Cohesive failure in tile adhesive						
		iv) 1.59	Cohesive failure in tile adhesive						
		v) 1.83	Cohesive failure in tile adhesive						
		<b>Avg. 1.61</b>							
2	<b>Shear Adhesion Strength, N/mm<sup>2</sup></b>		--	--	--	--	--		
2.1	<b>a) Dry Condition 14 days</b>		1.62	--	--	--	--		
	<b>b) Dry Condition 28 days</b>		1.71	1.0	1.25	1.5	1.5	6.0	
2.2	<b>Heat Aging Condition</b>		1.09	--	1.0	1.0	1.0	3.0	



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2.3	Wet Condition		1.16	--	1.0	1.0	1.0	--
3	Open Time , Minutes		40	--	--	--	--	--
4	Adjustment Time, Minutes		35	--	--	--	--	--
5	Slip , mm		0.21	Shall not be more than 0.5 mm				
6	Deformability, mm		2.98	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.

## TECHNICAL DATA SHEET

### PRODUCT NAME :

**KA T4 Tile Adhesive**  
**(C2TES1 Type – High Strength, Polymer Modified, Non-Slip, Extended Open Time Tile Adhesive)**

### DESCRIPTION:

**KA T4** is ideal for internal and external wall & floor applications of large size Italian marble, porcelain tiles, glass mosaic tiles, Natural and artificial stone, tile-on-tile applications, tiles over dry walls, translucent tiles.



### FEATURES & BENEFITS:

- Easy to use - just add water on site, ready to use.
- Ideal product for tiles and stone tiles on exterior wall substrates like plaster or concrete.
- Highly polymer modified – provides high adhesion strength to bond with variety of substrates for fixing a variety of tiles and stones.
- Sag resistant formula: provides hassle-free application on vertical walls.
- Water resistant - suitable for wet areas.
- Sustain heat ageing, making it ideal for high temperature locations.
- Deformable adhesive with extended open time.
- Low VOC - for healthy living

### RECOMMENDED USES:

- External & internal floor and wall tiling
- Swimming pools, wet areas, bathrooms, kitchens
- Suitable for vitrified, ceramic, porcelain, marble, granite, and natural stones
- Can be used over concrete, cement plaster, screeds, existing tiles, and cement boards

## 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:	1.5 Min.	1.85
(b)	Wet Condition	A Clause No. 5.1	1.0 Min.	1.61
<b>2</b>	<b>Shear Adhesion Strength, N/mm<sup>2</sup></b>			
(a)	Dry Condition	IS 15477:2019 Annex:	1.5 Min.	1.71
(b)	Heat Aging Condition	B Clause No. 5.2	1.0 Min.	1.09
(c)	Wet Condition		1.0 Min.	1.16
<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.)	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. Declared value = 20 Minutes (Min.)	35
<b>5</b>	<b>Slip (Vertical Application)</b>			
(a)	Average	IS 15477:2019 Annex: E Clause No. 5.5	0.5 Max.	0.21
<b>6</b>	<b>Deformability</b>			
(a)	Deformable Adhesive, S1	IS 15477:2019 Annex: F Clause No. 5.6	2.5 – 5.0	2.98

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## 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.

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## PACKAGING:

Available in **20 kg** and **40 kg** multilayer laminated bags.

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## SHELF LIFE & STORAGE:

12 months in original, unopened packaging stored in a cool, dry area.

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## SURFACE PREPARATION:

All substrates must be clean, level, sound, and free from contaminants. Pre-wet porous surfaces and remove excess water before application.

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### **MIXING INSTRUCTIONS:**

1. Add water to a clean mixing bucket.
  2. Slowly pour Type 4 Tile Adhesive powder into the water while stirring mechanically.
  3. Mix thoroughly until smooth and lump-free.
  4. Allow to stand for 5 minutes, remix, and apply.
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### **APPLICATION METHOD:**

- Use a notched trowel to apply the adhesive evenly.
  - Firmly press tiles into the adhesive with a slight twisting motion.
  - Clean excess adhesive from tile surface and joints promptly.
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### **PRECAUTIONS:**

- Do not apply over metal, wood, or gypsum-based surfaces without suitable primer.
  - Not suitable for moisture-sensitive natural stones without trial.
  - Protect installed tiles from traffic and water for at least 24–48 hours.
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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 endeavour 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.