

# KCT CONSULTANCY SERVICES® LLP

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Technical Queries : 98250 64378

## TEST REPORT

ULR - TC618925000011264F

Test Report No : KCT/MT/25/10/31-001/07

Date of Issue : 31-10-2025

AAC Block Joining Adhesive			
Customer Name :	Kayra Corporation Private Limited		
Discipline:	Mechanical	Qty of Sample :	1 bag
Group:	Buildings Materials		
Manufacturer :	Kayra Corporation Private Limited	Sample Condition when submitted:	Satisfactory
Material Sampled by :	Customer	Test Facility? :	At Permanent Facility
Material Description :	Gray Mix - Block Joining Mortar		
Test Result			
Sr. No.	Description of Test	Average Test Result	Test Method
1	Colour	Grey	ASTM C109
2	Water / Powder Ratio	0.21	ASTM C109
3	Bulk Density (kg/m <sup>3</sup> )	1520	ASTM C109
4	Open Time (Minutes)	30	EN 1346
5	Pot Life @ 27 °c (Minutes)	170	IS:15477 : 2019
6	Compressive Strength ( MPa )		
(i)	(a) 7 days	7.21	ASTM C109
(ii)	(b) 28 days	10.50	ASTM C109
7	Split Tensile Strength ( MPa )		
(i)	(a) 7 days	0.41	ASTM C1660-09
(ii)	(b) 28 days	0.58	ASTM C1660-09

Remark :

- 1) Testing was carried out for the parameters requested by customer and as per the guidelines for test procedure in relevant part of Reference Standard.
- 2) Results relates to the sample tested only.
- 3) Results certificate not be used for publicity / Product promotion. Results shall not be reproduced except in full.
- 4) We do not undertake or We are not bound to participate or appear in any legal - court matter or litigation on any issues what so ever.
- 5) Sample is obviously crushed while testing and therefore will not be available for inspection after testing.

Thanking you,

*D.N. Khatwani*

Reviewed By :



For KCT Consultancy Services LLP,

(Dr. K. K. Thaker)  
Authorized Signatory



TC-6189

\*\*\* End of Report \*\*\*

Page 1 of 1

### Testing Facilities For :

<b>Mechanical :</b>	Concrete and Bituminous Design Mix, Testing of all types of Concrete Materials, Building Blocks, Tiles, Reinforcement Steel, Structural Steel, Rebar - Coupler, Soil, Natural Stone, Rock, Wood, Bentonite, Precast Concrete Pipe, Precast Concrete Manhole Cover.		
<b>Chemical :</b>	Testing of Cement, Steel, Carbon Steel, Flyash, GGBS, Alcofine, UGGBS, Microsilica, Admixture, Water, Soil and many More.		
Non Destructive Testing and Analysis	Geotechnical & Geophysics Testing and Analysis	Topographical Survey, Contour Survey and Route Survey Work	

Technical Data Sheet

## Block Jointing Mortar

Kayra GrayMix jointing mortar is a versatile, high-quality mortar mix specifically designed to provide exceptional strength and adhesion for walls constructed.



### Application Method:

- Ensure the area is clean and free from dust and bond inhibitors
- Combine 8 – 9 litres of water (21% of material weight) with Kayra Gray Mix Mortar properly.
- Apply pre-mixed mortar with a uniform 3mm thickness by trowel.

### Product Features :

- Improved bond strength
- No curing required after application
- Flexible, shock & impact resistant
- Ready-to-use pre-mixed formula
- Longer working and pot life
- Consistent quality, reduced wastage
- Fast, economical, and durable finish

### Certification



NABL Certified

Technical Data

PARAMETERS	RESULTS
Appearance	Gray
Water/Powder Ratio	0.21
Density	1520 kg/m <sup>3</sup>
Layer Thickness	3 mm
Pot life	170 Minutes
Open Time	30 Minutes

**PERFORMANCE PROPERTIES**

**ASTM C109 DATA**

Test Method	Requirement	Result
Comprehensive Strength	7.5 N/mm <sup>2</sup>	10.50 N/mm <sup>2</sup>

**ASTM C1660-09 DATA**

Test Method	Requirement	Result
Split Tensile Strength	0.35N/mm <sup>2</sup>	0.56 N/mm <sup>2</sup>

**Coverage :**

3 mm Thickness - ≈ 92.59 sq.ft / (40kg Bag)

NOTE : Coverage is based on smoothness and evenness of the substrate, size of blocks used, and the thickness of mortar used. A general guideline for coverage of mortar is given when used with 21% Water is added to powder.

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