



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

TESTING | TRAINING | AUDITING

Test Order Ref: GVM/TA/03056-1-2/03/2023
ULR: TC90612300000915F

Date: 28.04.2023
Page No. 1 of 1

RACHTR CHEMICALS PRIVATE LIMITED

G1-586, RIICO Industrial Area,
Opposite Fire Station, Khushkhhera,
Alwar, Rajasthan – 301707, India.

TEST REPORT ON TILE ADHESIVE

Source of Sample	:	Sample supplied by the customer
Number of samples Tested	:	01 (One only)
Condition of sample	:	Satisfactory
Customer's Reference	:	Request dated 25.03.2023
Lab Reference Number	:	2023/MAR/03056-1-2
Date of Receipt	:	25.03.2023
Sample Identification #	:	Powder-TSA Eco Plus & Liquid - RachTR LTX-133
Water Powder Ratio #	:	Powder : Liquid = 1 (Kg) : 275 (g)
Period of Test	:	27.03.2023 to 28.04.2023
Technical Reference	:	EN 12004-1: 2017

PHYSICAL PROPERTIES:

S. N.	Test Conducted	Unit	Test Method	Results	Requirement as per EN 12004-1:2017
1	Initial Tensile Adhesion Strength	N/mm ²	EN 12004-2:2017, Clause 8.3	1.81	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
2	Tensile Adhesion Strength after water immersion	N/mm ²	EN 12004-2:2017, Clause 8.3	1.32	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
3	Tensile Adhesion Strength after heat ageing	N/mm ²	EN 12004-2:2017, Clause 8.3	1.88	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
4	Tensile Adhesion Strength after freeze-thaw cycles	N/mm ²	EN 12004-2:2017, Clause 8.3	1.46	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
5	Open Time: Tensile Adhesion				
	10 min.	N/mm ²	EN 12004-2:2017, Clause 8.1	1.34	≥ 0.5 N/mm ²
	20 min.	N/mm ²		0.96	≥ 0.5 N/mm ²
	30 min.	N/mm ²		0.73	≥ 0.5 N/mm ²
6	Slip	mm	EN 12004-2:2017, Clause 8.2	0.29	≤ 0.5 mm
7	Transverse Deformation	mm	EN 12004-2:2017, Clause 8.6	3.74	S1: ≥ 2.5, < 5mm S2: ≥ 5 mm

As furnished by the customer.

Remark: TSA Eco Plus Tile Adhesive conforms to C2TE S1 Tile Adhesive as per EN 12004-1: 2017

Note: 1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.

For **GVM TEST HOUSE AND RESEARCH CENTRE**



DINESH BURDE
[Signature]
Authorised Signatory



Regd. Office:

402, Yogesh Apartment CHS, Plot No. 26, Sector 8A, Airoli, Navi Mumbai - 400 708, INDIA.
GSTIN: 27BPBPB4090Q1ZM



ISO 9001:2015 Certified



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



GVM TEST HOUSE
AND RESEARCH CENTRE

TESTING | TRAINING | AUDITING

Test Order Ref: GVM/TA/03056-1-1/03/2023
ULR: TC906123000000914F

Date: 28.04.2023
Page No. 1 of 1

RACHTR CHEMICALS PRIVATE LIMITED

G1-586, RIICO Industrial Area,
Opposite Fire Station, Khushkhhera,
Alwar, Rajasthan – 301707, India.

TEST REPORT ON TILE ADHESIVE

Source of Sample : Sample supplied by the customer
Number of samples Tested : 01 (One only)
Condition of sample : Satisfactory
Customer's Reference : Request dated 25.03.2023
Lab Reference Number : 2023/MAR/03056-1-1
Date of Receipt : 25.03.2023
Sample Identification # : Powder-TSA ST White & Liquid - RachTR LTX-133
Water Powder Ratio # : Powder : Liquid = 1 (Kg) : 280 (g)
Period of Test : 27.03.2023 to 28.04.2023
Technical Reference : EN 12004-1: 2017

PHYSICAL PROPERTIES:

S. N.	Test Conducted	Unit	Test Method	Results	Requirement as per EN 12004-1:2017
1	Initial Tensile Adhesion Strength	N/mm ²	EN 12004-2:2017, Clause 8.3	1.89	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
2	Tensile Adhesion Strength after water immersion	N/mm ²	EN 12004-2:2017, Clause 8.3	1.62	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
3	Tensile Adhesion Strength after heat ageing	N/mm ²	EN 12004-2:2017, Clause 8.3	1.97	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
4	Tensile Adhesion Strength after freeze-thaw cycles	N/mm ²	EN 12004-2:2017, Clause 8.3	1.74	C1 ≥ 0.5 N/mm ² C2 ≥ 1.0 N/mm ²
5	Open Time: Tensile Adhesion				
	10 min.	N/mm ²	EN 12004-2:2017, Clause 8.1	1.59	≥ 0.5 N/mm ²
	20 min.	N/mm ²		1.22	≥ 0.5 N/mm ²
	30 min.	N/mm ²		0.92	≥ 0.5 N/mm ²
6	Slip	mm	EN 12004-2:2017, Clause 8.2	0.27	≤ 0.5 mm
7	Transverse Deformation	mm	EN 12004-2:2017, Clause 8.6	6.57	S1: ≥ 2.5, < 5mm S2: ≥ 5 mm

As furnished by the customer.

Remark: TSA ST White Tile Adhesive conforms to C2TE S2 Tile Adhesive as per EN 12004-1: 2017

Note: 1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.

For **GVM TEST HOUSE AND RESEARCH CENTRE**

DINESH BURDE
(Signature)
GVM TEST HOUSE AND RESEARCH CENTRE
Authorised Signatory

Regd. Office:

402, Yogesh Apartment CHS, Plot No. 26, Sector 8A, Airoli, Navi Mumbai - 400 708, INDIA.
GSTIN: 27BPPB4090Q1ZM



ISO 9001:2015 Certified