

INDIAN TESTING LABORATORY

ULR No. :
TC787623000002286F

DOC No. : ITLBIS20230912002 Plot No-248 , Ecotech - III, Udyog Kendra - II,
Telephone : +91 9999669383 GREATER NOIDA, Gautam Buddha Nagar, Uttar
FAX : - Pradesh, India - 201306
E-Mail : itlnoida.labs@gmail.com
BO Code : None

Test REPORT AS PER : IS 15477 (2019)

QR Code/Barcode : 100000514765

REPORT NO : 10434801/2023/SS/2_1

DATE : 28 Oct, 2023

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address : Duw Fix Chemicals
near shangar farm, gf block no 298, godown no.
16, canal road, tall- kamrej, village kosmade,
surat, gujarat 395013, SURAT, SURAT, GUJARAT,
INDIA - 395013

b) Nature of sample : SS

c) Grade/Variety/Type/Class Size etc : Type 2, Deformability S1, slip resistance T, use
for vertical & other than vertical applications

d) Declare values, if any : Open time 10minutes, Adjustment time
15minutes, mixing ratio We mix 250ml to 300ml
water in 1kg tile adhesive

e) Batch No. & Date of Manufacture : 2023082501/

f) Quantity : 25kg

g) Date of Receipt : 12 Sep, 2023

h) BIS Seal : Verified by Sample Cell

i) IO's Signature : Verified by Sample Cell

j) Any other Information / Expiry Date, If any : -/ 12 months

k) Date of Commencement of Testing : 14 Sep, 2023

l) Date of Completion of Testing : 28 Oct, 2023

m) Section Code : 23MB4D8

n) Section Report No. : 23MB4D8_1

o) Report Type : New

p) Reference Report No. :

q) Remarks :

MANISH KUMAR
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 28 Oct, 2023 12:02 PM

1.

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PART B. SUPPLEMENTARY INFORMATION

- | | |
|--|----------------|
| 1. Reference to sampling procedure, wherever applicable. | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | Yes |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. | Not Applicable |
| 3. NABL Report required ? | No |

RAJEEV KUMAR
OIC Mechanical
(Authorized Signatory)
Authorized on: 28 Oct, 2023 12:01 PM

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PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	8.2	Marking	-	-	-	-	1. Name of the manufacturer and the trade-mark, if any= Duw fix chemical 2. Batch or lot number= 2023082501 3. Month and year of manufacturing= 25/08/2023 4. Type of adhesive, i.e, Type- 1/2/3/4/5= Type-2 5. Special characteristics a) Deformability- To be marked with 'S1' or 'S2', if and as applicable.= 'S1' b) Slip Resistance- To be marked with 'T', if applicable= 'T' 6. Open time and adjustment time of the adhesive= Provided 7. Storage life and storage condition for the adhesive= Provided 8. Appropriate mixing instructions.= Provided
2	5.6	Deformability (Required for Vertical Application Only)	When tested in accordance with the method given in Annex F, the deformability shall be within the range mentioned below for a particular class as stated by the manufacturer:	2.5	5.0	mm	3.24 (Deformable Adhesive, S1)
3	5.5	Slip (Required for Vertical Application Only)	When tested in accordance with the method given in Annex E, the slip shall not be more than 0.5 mm. Slip resistant adhesives shall be designated as 'T'.	-	0.5	mm	0.25 (Average)
4	5.4	Adjustment Time	When tested by the method prescribed in Annex D, the adjustability, shall not be less than that stated by the manufacturer.	15.0	-	Minutes	30.0
5	5.3	Open Time	When tested by the method prescribed in Annex C, the open time, shall not be less than that stated by the manufacturer.	10.0	-	Minutes	25.0
6	5.2	Shear Adhesion Strength	Dry condition N/mm ² Min	1.25	-	N/mm ²	1.29
7	5.1	Tensile Adhesion Strength	Dry condition N/mm ² Min	1.0	-	N/mm ²	1.19

RAJEEV KUMAR
OIC Mechanical
(Authorized Signatory)
Authorized on: 28 Oct, 2023 12:01 PM

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PART D. REMARKS

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TC-7876

TEST REPORT

LR-1404

Page 1 of 4

Issued to: QR Code Number: 10000514765 M/s. Duw Fix Chemicals, Near Shangar Farm, Gf Block No 298, Godown No. 16, Canal Road, Tall-Kamrej, Village kosmade, Surat, Gujarat, India-395013.	ULR No.: TC787623000002286F Report No.: ITLBIS20230912002 Letter Ref. No.: Nil & Dated: 2708/2023 Date of Receipt: 12/09/2023 Period of Testing: 14/09/2023-27/10/2023 Date of Report: 28/10/2023
Sample Description: Adhesive for use with ceramic mosaic and stone tiles (Type- 2), Open time 10 minutes, Adjustment time 15 minutes, Deformability S1, Slip resistance T, use for vertical & other than vertical applications	

Particulars of Sample Submitted

- Sample Code : 10434801/2023/SS/2
- Reference Standard/ Specification : IS: 15477: 2019
- Sample Description : Adhesive for use with ceramic mosaic and Stone tiles (Type- 2)
- Sample Quantity : 25 kg
- Date of Manufacturing : 25/08/2023
- Batch No. : 2023082501
- Grade/Type/Variety/Size/Class/Rating : Type- 2
- Declared value, if any : Open time 10 minutes, Adjustment time 15 Minutes, Deformability S1, slip resistance T, use for vertical & other than vertical applications
- Report No. : ITLBIS20230912002
- Date of Start of analysis : 14/09/2023
- Date of Completion of analysis : 27/10/2023
- Additional Information, if any : -

Note : Terms & Conditions are Printed Overleaf

RAJEEV KUMAR

Authorised Signatory
MANAGER-TECH

BIS Recognised & ISO 9001:2015 Certified Laboratory

E-mail : info@indiantestinglaboratory.com, Web.: www.indiantestinglaboratory.com



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S. No	Test	Test Method & Clause No.	Requirement as per IS: 15477:2019	Result
1.	Classification	IS: 15477:2019 Clause No. 4.0	Type 1/2/3/4/5 Adhesive	Type-2
2.	Tensile Adhesion strength, Min, N/mm²			
i)	Dry Condition	IS: 15477:2019 Annex: A Clause No.5.1	1.0 Min.	1.19
ii)	Wet Condition		1.0 Min.	1.16
3.	Shear Adhesion Strength, N/mm²			
i)	Dry Condition	IS: 15477:2019 Annex: B Clause No.5.2	1.25 Min.	1.29
ii)	Heat Aging Condition		1.0 Min.	1.21
iii)	Wet Condition		1.0 Min.	1.21
4.	Adjustment Time, Minutes,	IS: 15477:2019 Annex: D Clause No.5.4	Adjustment time shall not be less than that stated by manufacturer. Declared value= 15 Minutes (Min.)	30
5.	Slip (Required for vertical application only), mm			
i)	Individual	IS: 15477:2019 Annex: E Clause No.5.5	0.5 Max.	0.26
ii)	Average			0.25
6.	Deformability, (Required for vertical application only), mm			
i)	Deformable Adhesive, S1	IS: 15477:2019 Annex: F Clause No.5.6	2.5-5.0	3.24
ii)	Highly Deformable Adhesive, S2		5.0 Min.	N/A

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S. No	Test	Test Method & Clause No.	Requirement as per IS: 15477:2019	Result
7.	Marking	IS: 15477:2019 Clause No.8.2	1. Name of the manufacturer and the trade-mark, if any	Duw fix chemical
			2. Batch or lot number	2023082501
			3. Month and year of manufacturing,	25/08/2023
			4. Type of adhesive, i.e, Type-1/2/3/4/5	Type-2
			5. Special characteristics	'S1'
			a) Deformability- To be marked with 'S1' or 'S2', if and as applicable.	
			b) Slip Resistance- To be marked with 'T', if applicable	'T'
			6. Open time and adjustment time of the adhesive;	Provided
7. Storage life and storage condition for the adhesive; and	Provided			
8. Appropriate mixing instructions.	Provided			

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S. No	Test	Test Method & Clause No.	Requirement as per IS: 15477:2019	Result
8.	Open Time, Minutes	IS: 15477:2019 Annex: C Clause No.5.3	Open time shall not be less than that stated by manufacturer. Declared value= 10 Minutes (Min.)	25

Remark: The above sample conforms to IS 15477: 2019 with respect to above tests only.

Customer's Declarations: 1. Open time- 10 Minutes Min.

2. Adjustment time- 15 Minutes Min.

3. Slip- 'T'

4. Deformability- 'S1'

*Any deviation from the standard test method/specification-Nil

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