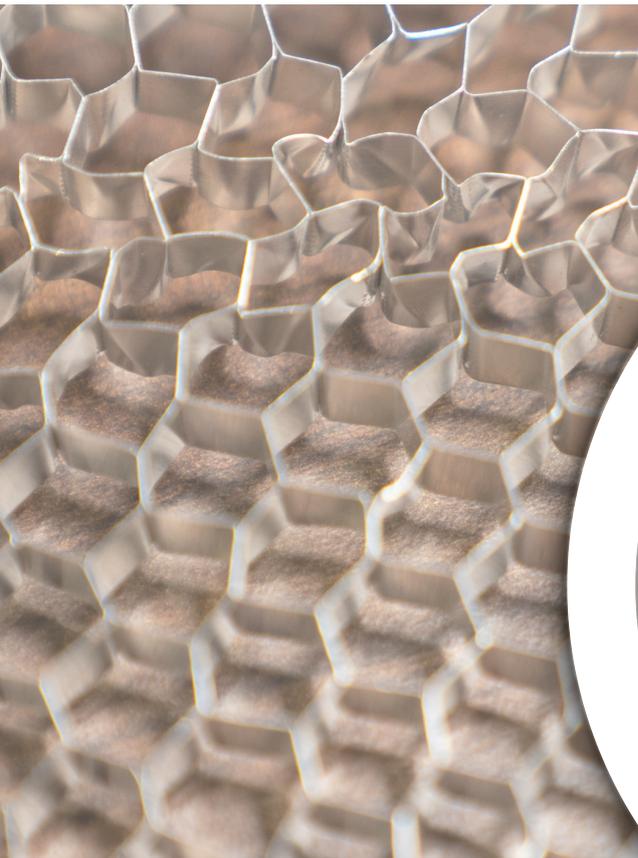


A Mukul Gupta Initiative

ecoearth

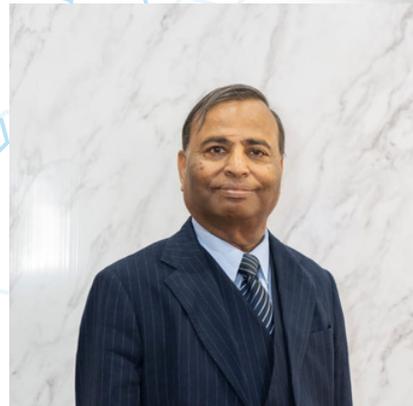
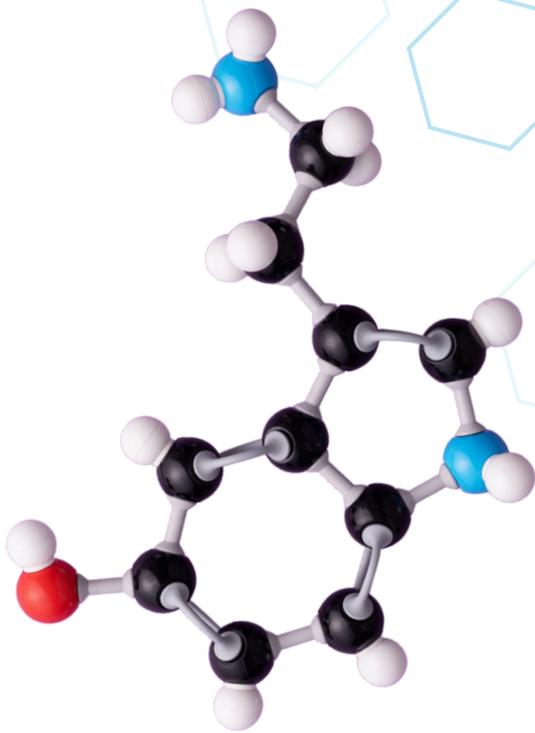
REMILOC™

STRUCTURAL ADHESIVE



Welcome to **WORLD OF INNOVATION**

EcoEarth Solutions is a leader in innovation, specializing in sustainable, lightweight, and fire-safe honeycomb panels under its flagship brand Ecocomb™. As India's only manufacturer of aluminium honeycomb cores, advanced composite sandwich panels, stone panels, and Remiloc™ structural adhesives, we deliver eco-friendly and high-performance material solutions across the aerospace, marine, construction, and transportation industries.



Dr. Mukul Gupta

Founder and Managing Director

A renowned technocrat and material scientist, he is the founder of Chemtreat India Limited and Ecoearth Solutions Pvt. Ltd., India's first facility producing aluminum honeycomb cores & panels under the ECOCOMB brand. With expertise in composites, aerospace, defense, and lightweight construction, he has collaborated with global organizations like KION Corporation and Clariant International. A former NACE India Chairman and IIT Mumbai faculty, he continues to contribute to corrosion management research and advanced material innovation.

REMILOC™

STRUCTURAL ADHESIVE

Product Overview

REMILOC Adhesive series is a two-component Elastomeric epoxy adhesive engineered to bond various substrates with exceptional adhesion strength. This adhesive is useful for any substitute to any substrate like wood, plastic, acrylic, Metal. Compatible with aluminum honeycomb panels, marble, limestone, granite, and more, it provides superior mechanical and aging properties suitable for diverse applications.

Fire Certification

- ASTM E 84 (CLASS A)
- IMO resolution MSC 307 (88) (Marine Certification)
- EN-45545-2021R1/R7 (Railway Certification)

Shelf Life

12 months when stored in original packed condition in a cool place.

Application

- Railways
- Constructions
- Automotive Industry
- Aerospace
- Marine
- Defense
- Furniture

Why Choose Remiloc?

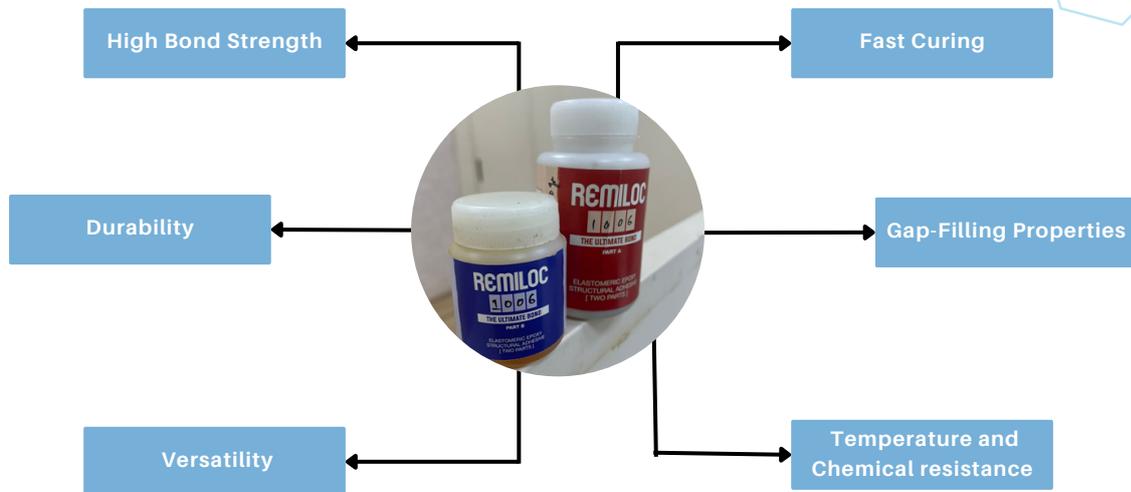
- Equivalent or stronger than metal fastening
- More cost-effective than traditional methods
- Reduces assembly weight
- Resists vibration and shock
- Withstands extreme temperature changes
- Cures at room temperature
- Fills gaps between components
- Bonds diverse materials effectively
- Distributes stress evenly
- Long-lasting and reliable
- Simplifies application process
- Maintains structural integrity under various conditions

Technical Details

Product Name	REMILOC 1005	REMILOC 1006	REMILOC 1006-EN	REMILOC -1008 -HS-EN	REMILOC 1010	REMILOC 1011	REMILOC 1013
APPLICATION	Construction	Automotive, Furniture	Railway	Aerospace, Marine Defense	Construction Automotive	Railway, Furniture	Optical materials Acrylic, glass
Component-A	Properties						
Appearance	Viscous paste	Viscous liquid	Viscous liquid	Viscous Liquid	Colorless to light yellow liquid	Viscous liquid	Colorless to light yellow
Clarity clear	Off white	Off white	Off white	Off White	Clear	Off white	Clear
Specific gravity @25 °c	1.20 ±0.02	1.20 ±0.02	1.20 ±0.02	1.20 ±0.02	1.16± 0.02	1.71 ± 0.02	1.16± 0.02
Viscosity @30 ° c ,cps	5000-15000cps	5000 - 15000 CPS	5000--15000 cps	5000--15000 cps	10000 to 15000 cps	-	10000--15000 cps
Consistency	Flow easily	Flows easily	Flow easily	Flow easily	Flow easily	Viscous flow	Flow easily
Component-B	Properties						
Appearance	Viscous liquid	Viscous liquid	Viscous liquid	Viscous liquid	Water white liquid	Viscous liquid	Water white liquid
Clarity clear	reddish brown viscous liquid	Greenish brown	Greenish brown liquid	Greenish brown liquid	Clear	Black colour	Clear
Specific gravity @25 °c	0.96--0.98	0.96--0.98	0.96--0.98	0.96--0.98	0.94--0.98	1.52 ± 0.05	0.94--0.98
Viscosity @30 ° c ,cps	10000---15000 cps	10000 - 15000 CPS	10000---15000 cps	10000---15000 cps	100 - 300 cps		1000 - 3000 cps
Consistency	Flow easily	Flows easily	Flow easily	Flow easily	Flow easily	Viscous flow	Flow easily
Mix ratio component A & component B	115 : 35 by weight	70:30 by weight	70 : 30 by Weight	70 : 30 by Weight	100 : 50 by weight	100 : 100 by weight	100 : 60 by weight
Pot life, min	25– 30 @ 30 °c	25– 30 @ 30°c	25– 30 @ 30°c	25– 30 @ 30°c	25– 30 @ 30 ° c	25– 30 @ 30°c	25– 30 @ 30 °
Hard dry ,hours	1–2 @ 30 °c	1–2 @ 30 °c	1–2 @ 30 °c	1–2 @ 30 °c	1–2 @ 30 ° c	1–2 @ 30 °c	1–2 @ 30 ° c
Hardening & press time (20°c)	Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 4 hours at Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 4 hours at Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 25 minutes at 0.5 bar pressure or stacking	Minimum 25 minutes at 0.5 bar pressure or stacking
Subsequent Processing of the bonded elements	After 4–6 hours	After 4–6 hours	After 4–6 hours	After 4–6 hours	After 4–6 hours	After 4–6 hours	After 4–6 hours
Final bond Strength	5–7 days at 30 °c	5–7 days at 30 °c	5–7 days at 30 °c	5–7 days at 30 °c	5–7 days at 30 ° c	5–7 days at 30 °c	5–7 days at 30 °c

Test Details

Product Name		REMILOC 1005	REMILOC 1006	REMILOC 1006-EN	REMILOC-1008 - HS-EN	REMILOC 1010	REMILOC 1011	REMILOC 1013
Test	Test Method	Test Result						
Drum Peel Strength (Nmm/mm)	DIN 53295	52.71	71.67	71.67	121.72	27.21	37.21	37.21
Flexural Bending Load (N/mm ²)	ASTM C 393	2205.38	3933.19	3833.19	3833.19	1282.2	2829.28	3052.25
Flatwise Compression Strength (N/mm ²)	ASTM C 365	3.33	3.33	3.33	3.33	3.13	3.13	3.11
Tensile Lap Shear Strength (MPa)	ASTM D1002	5.2	13.75	12.8	15.75	2.16	8.72	5.4
Tensile Strength (N/mm ²)	ASTM C 297	4.15	5.4	5.41	5.65	1.34	4.25	4.22



CONTACT US



Location

Taloja - Survey No. 12 & 13, Village Dhongadyacha Pada, Nearby Sakal Paper, Taluka Panvel, District Raigad – 410206, India
Khopoli - Survey No. 36, Pali Khopoli Road, At Khambewadi, Taluka: Khalapur, Dist: Raigad - 410 203



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