

REFORAC

Ready for any challenge

REFORAC UPPER BOND

Acrylic foam tapes

Structural bonding tape for
best results

- TESTED
- DURABLE
- SUPERIOR BONDING



REFORAC UPPER BOND ACRYLIC FOAM TAPES

PRODUCT	SAMPLE	PHYSICAL PROPERTIES OF UPPER BOND					PERFORMANCE VALUES		DESCRIPTION
		COLOUR	THICKNESS (mm)	FOAM DENSITY kg/m ³	LINER TYPE	DYNAMIC SHEAR kg/cm ²	180°C PEEL kg/25mm	TENSILE kg/cm ²	
UPPER BOND CODE									
5040W		White	0,4	850	Film	8	3,5	11	These UPPER BOND grades give a good all round bond strength on a wide variety of materials including all metals, glass, rigid plastics and composites. Excellent all weather performance in the most demanding environments. The different thicknesses allows a choice of tape, to provide flexibility.
5064W		White	0,64	850	Film	7,2	4,1	10,5	
5110W		White	1,1	850	Film/paper	5,7	4,5	9,9	
5200W		White	2	850	Film	4,8	3,5	6,55	
5110T		Transparent	0,25	1000	Film	14,5	1,6	10,1	Transparent transfer type tape, giving excellent shear performance and very high temperature resistance.
5050T		Transparent	0,5	1000	Film/paper	4,9	2,1	7,03	Clear tapes ideal for bonding transparent materials such as clear sheet plastic and glass. Excellent invisible bond. Proven grade in solar energy industry, glass partitions, windows and doors.
5100T		Transparent	1	1000	Film/paper	4,9	2,7	7,03	
5150T		Transparent	1,50	1000	Film	4	3,29	6	
5200T		Transparent	2	1000	Film	4	3,3	7	
5040G		Grey	0,4	850	Film	8	3,5	11	Designed primarily for bonding metals such as stainless steel and aluminium, will also bond a wide range of plastics. Ideal for bonding engineering plastics and sheet plastics. Very good for powder coated painted surfaces and automotive paints.
5064G		Grey	0,64	850	Film	7,2	3,35	7,6	
5080G		Grey	0,80	850	Film	6,5	3,7	7	
5110G		Grey	1,1	850	Film	6,3	3,9	6	
5150G		Grey	1,5	850	Film	6,2	3,9	5	
6064W		White	0,64	850	Film	7,1	3,6	11,3	Coated Acrylic Foams for bonding low surface energy materials. Excellent bond strength on Polypropylene and Polystyrene.
6110W		White	1,1	850	Film/paper	6,7	3,7	7,2	

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7040G		Grey	0,4	780	Film/paper	7	3,3	7,5	UPPER BOND has automotive approvals and can also be used in a wide range of applications in many industrial sectors like the sign and display industry, construction, engineering and metal fabrication.
7064G		Grey	0,64	780	Film	6,8	3,5	7	
7080G		Grey	0,80	780	Film/paper	6,5	3,7	6,5	
7110G		Grey	1,1	780	Film/paper	6	3,9	6	
7150G		Grey	1,5	780	Film	5,5	3,9	5,5	
7200G		Grey	2	780	Film	5,3	3,9	5	
7025B		Black	0,25	780	Film	7,5	3,1	7,8	
4040G		Grey	0,4	780	Film	8,2	6,3	10,2	Specially formulated UPPER BOND tapes for use in low temperatures approaching freezing. High Tack grades will bond well to difficult surfaces such as some powder paints.
4120G		Grey	1,2	780	Film	7,2	6,6	8,5	
4200G		Grey	2	780	Film	4,5	3,9	5	
8025W		White	0,25	1500	Paper	8	1,2	9	Thermal conductive grade for heat management applications, to dissipate heat from sensitive components in the electronics industry. Bonds well to copper and aluminium for heat sinks. Many electronic applications.
8064W		White	0,64	1500	Film	7,9	2,1	8,4	
6110B		Black	1,1	850	Film	14,5	5,0	15,8	

Test methods

Dynamic shear conform ASTM D 1002

180° Peel adhesion conform ASTM D 3330

Tensile adhesion conform ASTM D 897

REFORAC UPPER BOND ACRYLIC FOAM TAPES

Reforac UPPER BOND acrylic foam tapes provide the best quality and performances in most versatile industrial applications when a durable, structural adhesion is required. Reforac UPPER BOND tapes replace mechanical fixing systems and structural silicone sealants. For example: in structural glazing applications Reforac UPPER BOND substitutes the spacer tape and the silicone by one tape. Reforac UPPER BOND tapes have an excellent loading capacity performance in static and dynamic applications, which are subjected to demanding climatic conditions. The tapes were first placed in a bomb explosion test* in 2013 and withstood both high and low temperatures which varied between minimum -40°C to maximum +160°C and even +250°C. The tapes are UV-resistant and can easily withstand chemicals, moisture and humidity. Reforac UPPER BOND tapes are made according to the TS 16949-quality standards ISO 9001 and ISO 14001; the Statistical Process Control was used during the production.

**Test in accordance with ISO 16933*

Pre-treatment and method of use

Reforac UPPER BOND tapes are used on a dry and clean surface by putting equal pressure on each side with a (hand) roller. It is easy and quick to apply, with less wastage and no finishing. Screws, nails and welding are no longer necessary. The adhesion increases gradually: after 20 minutes, 50% of the adhesion strength is reached, after 24 hours 90% and after 72 hours 100%. The adhesion with Reforac UPPER BOND can withstand extreme temperatures. The particular values of temperature resistance per product are listed in the technical specifications in the technical guide. See our technical guide for more information about the pre-treatment of surfaces and applying the tapes.

How do I choose the most suitable tape?

Reforac UPPER BOND tapes vary in thickness between 0,25 and 2 mm. Due to its thickness, the acrylic foam tape can fill in gaps between two surfaces. The tape is flexible, can stretch to three times its thickness and restore its original shape. Therefore, there is an optimal connection between uneven materials as the tape shrinks and expands. The rule of thumb for rigid materials is that the tape has to be twice as thick as the unevenness in the material. Please call if you want advice tailored to your needs! The tape is deliverable in roll or cut in the particular shape you want. Available in white, grey, black and transparent colours.

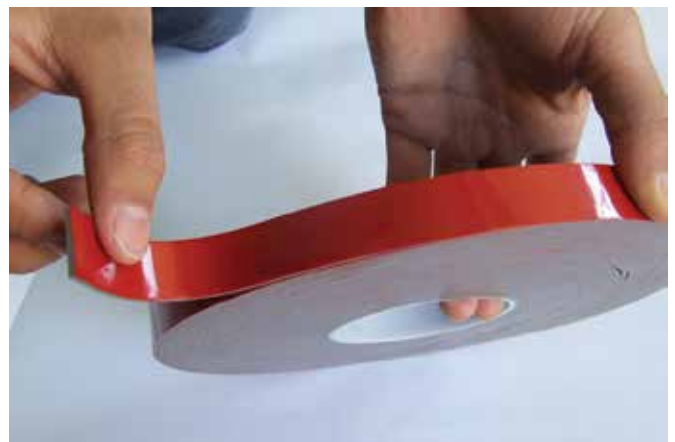
WHICHEVER TAPE YOU CHOOSE, USE OF REFORAC UPPER BOND TAPES GUARANTEES YOU:

- Better results thanks to the superior adhesion and improved aesthetic
- Longer life span for the durable properties and resistance against most extreme (climatic) conditions and UV radiation
- Lower costs thanks to the fast initial adhesion which provides a shorter procedure and turn over time
- Lower costs thanks to the quick and easy assembly with less finishing needs, so lower labour costs

Reforac ensures 25 years of proven superior quality. Please contact us for personal and professional advice about your bond challenges, improvement of your production method, test options, certification, references or test samples, all tailored to your needs. Reforac distinguishes herself with a quick and flexible delivery program.



Reforac 5110W with a liner of red PE film, used by a large European manufacturer for the production of bus roofs.



Unless stated otherwise all values given are average. All of the tapes in our range should be thoroughly tested on the substrates in the particular application they are intended for. Reforac will not be responsible for product failure unless full testing has been completed.

The customer has to decide on the tapes suitability for the intended application.