

### **WARRANTY COVERAGE AND ITS CONTENT FOR ALUTECHBOND 100® COMPOSITE PANEL**

The warranty periods and conditions for the Alutechbond 100® composite panels we manufacture are given in the table below. (Table 1.) The conditions to be complied with among the applicants and users are listed in the following articles. Sistem Alüminyum San. Ve Tic. A.S. is obliged to give the specified guarantees for the prescribed substances..

<b>PVDF 2L ( İki katmanlı) BOYA SINIRLI GARANTİ KOŞULLARI (PVDF 2LAYER TOPCOAT LIMITED WARRANTY CONDITIONS)</b>				
Provisions	Özellik (Property)	İklim Bölgesi (Climatic zone)	Deniz suyuna olan uzaklık (Distance from sea water)	
			+ 1000 m	0-1000 m
1	Kaplama Bütünlüğü (Film integrity)		≥97% in 15 years	Garanti yok (No guarantee)
2	Renk Değişimi (Colour change)	Zone A	ΔE ≤ 5 for 15 years	Garanti yok (No guarantee)
		Zone B	ΔE ≤ 5 for 15 years	Garanti yok (No guarantee)
3	Parlaklık Koruma (Gloss retention)	Zone A	>60 % for 15 years	Garanti yok (No guarantee)
		Zone B	>50 % for 15 years	Garanti yok (No guarantee)

Table(1.)

These conditions are valid if the area where the composite panels will be applied is at least 1000 meters away from the sea.

#### **WARRANTY FOR ALUTECHBOND 100® COMPOSITE PANELS**

Panels shall not be delaminated.

1. Exterior surface shall not be sheared in the way PVDF coating become visible to naked eye, it shall not be cracked and chalked more than rate of 8%.
2. Color tone difference in same batch production; For solid colors ΔE max.1, for metallic colors ΔE max.2. Color measurement shall be made according to EN 13523-3, only on a clean surface separated from surface dusts and residues. According to EN 13523-3 standard, visual control in metallic colors is not taken as reference. In accordance with EN 13523-2, there shall be 60% of radiance preservation.
3. It will be composed of aluminum composite panels with composite panel thickness (0,40mm+3,30mm+0,40mm) 4mm, the exterior surface of the plate is ready-primed with 25 ±0,3 microns, the lower surface of which is ready-primed with a minimum of 5 microns, which the production date and code is written. Splice strength shall be min. 175n/25mm (TS 13777).

In case of any contradiction to warranties promised above, an assessment and loss assessment shall be conducted under supervision of Sistem Alüminyum and current customer representative. Upon such assessment, damaged panels stemming from the material and those found in contradiction to conditions of warranty shall be replaced as soon as possible. Same process apply for any panel defects detected after assembly. In addition, the costs of workmanship incurred by the customer for the defective materials detected before and after the installation are covered by the warranty. Our material handling is from the Sistem Alüminyum warehouse. Damages that occur during transport are not covered by the warranty. In special

orders that are nonstandard, the size and colors that are promised are also covered by the guarantee. Sistem Alüminyum is supposed to replace the materials that are different from the ones ordered.

This warranty does not include the following conditions and does not include any breakups due to these conditions.

- a. Scratches and abrasions during transport and installation,
- b. Installation or storage continuously exposed to water, steam and high amounts of moisture or dust,
- c. Installation in aggressive atmosphere conditions such as chemical fumes, chemical wastes, salt spray, sand, dust or oil,
- d. When exposed to incorrect application conditions or chemical cleaning agents,
- e. Damage caused by external factors (such as fire, impact, explosion, etc.)
- f. There is no warranty for composite panels which the protection tapes that remain on surface for more than six months.
- g. After the assembly, the protective tape should be removed from the surface.

**For full technical details: PRODUCT TDS document.**

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