

1st June 2021

HulaBond Warranty

HBS Aluminium Systems provides the following limited warranty for specific projects.

In this limited warranty for PVDF coating, HulaBond should be installed within six months after receiving delivery from HBS Aluminium Systems and will only apply for exterior applications. It is important that the protective film must not be exposed to sunlight for more than 45 days, as this heat may change the properties of the glue and could potentially leave a residue.

Please note that the warranty applies specifically and independently for each batch supplied.

1. Length of Warranty

This warranty is valid for fifteen years from the date of manufacture and is subject to all the conditions set out in this warranty.

2. Nature of Warranty

- a. HulaBond will not blister or crack and the coated aluminium sheet will not peel off during the warranty period.
- b. The colour tone may fade over time but the colour fading will be equally distributed among the panels.
- c. According to the ASTM test for PVDF painted aluminium composite panels the change of colour will be less than $3\Delta E$ and the loss of gloss will not exceed 2 grades.
- d. According to the ASTM test the 180° peel strength will not be less than 7.0N/mm.
- e. HulaBond panels used from different batches will not be covered for any colour variation or colour fading.

3. Area for Warranty

The warranty is valid only for normal environmental climatic conditions. Warranties for heavily polluted industrial areas, areas in direct proximity to the sea or any other special circumstances not specifically referred to herein, must be evaluated on an individual basis.

4. Validity of Warranty

This warranty will be considered null and void under the following conditions:

- a. Any evidence that the painted surface has been subjected to any abuse.
- b. This warranty does not cover the reverse side of the product.
- c. Any evidence of the painted surface being touched up.
- d. Any mechanical damage to the sheet through incorrect use, shallow routing, poor fabrication or mishandling of the product.
- e. If exposed edges are not sealed, especially butt joints.
- f. Inappropriate storage before installation.
- g. Contamination by means of any harmful substances.
- h. Any installations close to chemical works or areas of abnormally high pollution or salt saturation.
- i. If the product or surface of the product has been damaged by a chemical substance, corrosion or radiation.
- j. If the product has been damaged through inappropriate or negligent loading, offloading, handling, transportation, processing and installation...etc.
- k. If the sheet is in contact with copper, cupric salts or any liquid flowing from copper piping.

- l. If the air contains strong aggressive chemical substances or there are other abnormal conditions.
- m. The damage caused by any force majeure such as an earthquake, fire, explosion extreme weather conditions, or any unforeseen and unpredictable event or accidents.

5. Other Terms and Conditions

- a. This warranty shall only apply if more than 5% of the total area is affected.
- b. This warranty applies to external cladding that has been cleaned at least twice a year for inland projects and four times a year for coastal projects.
- c. This warranty is valid for HulaBond aluminium composite panels only and no claims for labour, penalties, loss of income or any other subsequential damages are covered by this warranty.

Cleaning suggestions:

- i. Start with a clean water rinse with a pressure hose
- ii. Clean with a soft cloth and a mild cleaning agent that has a neutral pH which is safe for washing hands. If in doubt test the cleaning agent on a sample piece of HulaBond.
- iii. Take care not to rub excessively as the layer of PVDF can be damaged by abrasive cleaning
- iv. Rinse thoroughly afterwards with clean water
- v. Wipe surface with a clean cloth to eliminate the possibility of water stains
- vi. Cleaning should be done on the shaded side of the building under moderate temperature, ideally a cloudy day. Cleaning must not be undertaken during midday sun as the quick drying may cause blemishes.

6. Claims under Warranty

Claims will be subject to the following conditions:

- a. Claims must be raised in writing within 30 days of the problem being identified to HBS.
- b. If after inspection and if necessary, the relevant tests are conducted and all the above conditions are met and it is shown that there has been a product failure HBS Aluminium Systems will replace all defective panels.

Yours faithfully,


Michelle Cochrane

Hulabond Brand Manager