



TECHNICAL DATA SHEET

FORBOND F5740C

TECHNICAL CHARACTERISTICS

Foam Thickness	0.8mm
Tensile Strength	1600 Kpa
Elongation at Break	300%
Water Absorption	<1%
180 Peel Adhesion	8N/cm
Dynamic Shear	95N/cm ²
Static Shear Adhesion (1kg)	>10 hours
Service Temperature	-40 to +50°C (long term)

These values are based on 0.8mm product and may vary depending on environmental factors such as: temperature, moisture and type of substrates.

PRODUCT

FORBOND F5740C is a double sided adhesive tape incorporating a black closed cell cross-linked polyethylene foam with a high performance durable, modified acrylic adhesive on both surfaces, protected by a LDPE liner.

F5740C is developed for exterior/interior use in applications requiring a combination of good tack (at temperatures down to -5°C), excellent bond strength and high durability. F5740C has excellent weathering properties and exhibits good bond strength to various substrates such as plastics including poly-carbonate, PVC and glass, wood, metals and most automotive paints.

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SURFACE PREPARATION

It is important that the surface to which the tape is being bonded to is free of dust, oil, grease and other contaminants. A 50/50 combination of alcohol and water solution is usually sufficient in removing most contamination. The cleaning cloth should routinely be replaced. If oil is present on the substrate, a stronger solvent may be necessary. Please refer to the MSDS sheets of any cleaning solvents for proper use and procedures.

TEMPERATURE

The recommended application temperature range is +15°C to +25°C. Both the tape and substrate(s) that are being bonded should be at this temperature.

PRESSURE

The tape should be applied using roller weight or other mechanism to initiate and provide intimate contact of the tape's adhesive surface to the substrate(s). A common recommended pressure is 15 psi (minimum). The application design should also provide the best possible surface match between substrates to maximize adhesive "wet out" (contact to substrates).

TIME

Upon application, the adhesive bond builds with time. After initial bonding, care should be taken not to expose the newly bonded joint to excessive stresses. Generally, 50 - 60% of ultimate bond strength is achieved in 20 minutes, 70 - 80 % in one hour and 80 - 90% after 24 hours. Full bond strength is normally achieved in 72 hours. Exposure to elevated temperatures will accelerate bond build.

The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by ForgeWay, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user.