

Best bond
in the business...

HOW TO GUIDE

STRUCTURAL BONDING UHB TAPE

Firstly ensure the substrates are compatible with the chosen UHB. We offer a range of UHB tapes for different surfaces, temperature exposure and finishes along with a range of thicknesses and widths.

When creating a structural bond using UHB tapes, there are a number of factors to consider and steps to follow to achieve the best bond. It is also essential to establish if a UHB is the right bonding product for the job. For example, UHB is ideal on smooth, sealed surfaces, but not unsealed or some rough textures.

Typical substrates and INDASOL UHB suggestions: ACM and Aluminium Channel Fixing – UHB9120G or UHBSF18, **LED mounting** – UHB21025W, **Bonding to glass** – UHB12100C, UHB12050C and UHB12025C



The weight and exposure forces must be taken into account. Please contact us if you feel the product is particularly heavy or complex and that the bond is likely to be exposed to wind shear, temperature extremes or excessive forces.

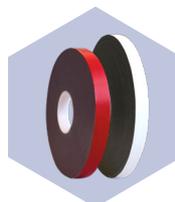
Remember: One square CM of UHB will hold 1kg in static shear.



Step 1: Clean both surfaces to be bonded with Isopropyl Alcohol (IPA) using either a clean low lint cloth, clean pre-impregnated IPA wipe or clean IPA applicator sponge. Allow IPA to flash dry.



Step 2: Some surfaces may require priming to enhance the overall bond. If primer is to be used, wipe in one direction using either a clean low lint cloth, clean pre-impregnated primer wipe or a clean sponge applicator. Allow primer to flash dry. Apply tape within 30 minutes of primer being applied. We offer primers for metals, plastics, composites and glass.



Step 3: Apply the UHB to one surface. Once located, apply pressure using a rubber roller *ideal pressure is approximately 15 PSI. Remove backing release liner and bond to second substrate. Apply pressure again where possible. The idea is to get an even bond across the whole face of the UHB surface.



Step 4: Do not expose the bond to any weight loading or stress for approximately 72 hours (or as advised by data sheet). The reason for this is to allow the UHB to reach its full bond strength.

Please note that surface temperature should be circa 20°C before applying tape

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