

# Tuskbond Aerosol 500ml Technical Data Sheet 2008

## 1. TUSBOND SPAY ADHESIVE

- Tuskbond is a CFC free, multipurpose sprayable adhesive with low odour, developed to bond a wide variety of substrates. It has excellent grab and a long open time.

## 2. PRODUCT USES

- Tuskbond will bond a wide variety of substrates, including wood, metals, rubber, fabric, most plastics, cardboard, polythene and concrete, as well as decorative laminates. It can also be used to bond expanded polystyrene when forming a bond to a different substrate, in this instance the product should be used as a one way stick and only applied to the opposite substrate (do not spray onto the expanded polystyrene). It is ideal for permanent bonds that require good initial bond strength. It provides good temperature resistance and if protected from contamination has an open time of several hours. Always test a small sample of the materials first to ensure the suitability of the product for the application. For instance, some vinyls contain large amounts of plasticiser which, over time, can migrate and soften the bond. When in doubt, test first.

## 3. APPLICATION

- Use in a well ventilated area
- Surfaces to be bonded should be clean, dry and free from dust and grease.
- Substrates should be conditioned before assembly. This is particularly important with laminates. Condition for 48 hours at 20°C with a relative humidity of 45-55%. Air should be able to circulate freely around the components.
- Hold the aerosol at approx 70° to the surface and apply a uniform generous coat of adhesive, ensuring 80-100% coverage.
- Move the aerosol in parallel to the surface and pay particular attention to the edges.
- Do not allow the adhesive to puddle as this can cause an unevenness that can "show" through laminate.
- On porous surfaces it may be necessary to apply a second coat. Always apply to the laminate first and spray one substrate horizontally and the other vertically.
- It is important to remember that Tuskbond is a contact adhesive and forms it's bond by sticking to itself, so there must be sufficient adhesive for this to happen.
- Allow the adhesive to tack up and protect from contamination whilst this happens. The adhesive is ready when it feels dry to the touch and does not transfer to the finger tips.

**Note:** Tuskbond dries in two minutes under normal conditions, but this will vary under different temperatures and humidities. High humidity and low temperatures will slow the drying time and if the temperature gets very low, can produce bloom. Bloom is moisture which forms on the glue line caused by solvent evaporation lowering the air temperature above it.

## 4. ASSEMBLY

- Once the two surfaces have been brought together, an aggressive bond will be made. Spacers can be used to ensure the surfaces do not come into contact prematurely.
- Once the two surfaces are brought together, apply a uniform pressure over the work piece, starting in the middle and working outwards. Use blocks or a 3 inch roller and ensure the whole piece has been worked to ensure adequate contact of the adhesive.
- Pay particular attention to the edges. Please note that testing at this point by lifting the edge will weaken the bond. A nip roller will give the best results
- Once assembled, the piece can be machined or trimmed as required.
- Full cure will take 24 hours.

## 5. TECHNICAL DATA

- Colour: Clear
- Appearance: Liquid
- Solids content: 28-30%
- Specific gravity: 90-99
- Coverage: 15-20 square metres per Kg

## 6. CLEANING

- Tuskbond can be removed with most solvent cleaners.
- DO NOT FREEZE

### **IMPORTANT NOTE:**

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