

Product Name: MAXITEK PROCON SPRAY CONTACT ADHESIVE CANISTER 17KG

Supplier: DIPT Ltd,
Sidney Robinson Business Park,
Ascot Drive,
Derby,
DE24 8EH

Product Description

Procon Spray Contact Adhesive Canister 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. The product is delivered through a hose and spray gun system, which means application is clean and efficient. After use the gun is locked off and the system remains ready for instant re-use.

Product Uses

The product will bond to 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. **Do not use on flexible PVC.**

Application

USE IN A WELL VENTILATED AREA

1. Surfaces to be bonded should be clean, dry and free from dust and grease.
2. 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.
3. Connect the hose to the canister and the spray gun to the hose and tighten the connections.
4. Open the valve on the canister. The valve should remain open until the canister is empty. Use the locking nut on the gun after use. Turning off the valve will result in the adhesive drying in the hose and gun causing blockages.
5. Hold the spray gun at 90° to the surface and apply a uniform generous coat of adhesive, ensuring 80-100% coverage achieving 25-30 dry gms/m².
6. Move the gun in parallel to the surface and pay particular attention to the edges.
7. Do not allow the adhesive to puddle as this can cause an unevenness that can "show" through the laminate.
8. 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.
9. It is important to remember that this product is a contact adhesive and forms a bond by sticking to itself. There must be sufficient adhesive **on both surfaces** for this to happen.
10. Allow the adhesive to tack up and protect from contamination while this happens. The adhesive is ready to bond when it feels dry to the touch and does not transfer to the finger tips.

Note: The adhesive dries in two minutes under normal conditions, but this will vary under different temperatures and humidity. 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.

Heat Resistance; Whilst the product has good heat resistance (up to 90°C in unstressed bonds) it should not be used where high levels of resistance are required (light boxes, radiator covers etc).

Assembly

1. Once the two surfaces have been brought together, and aggressive bond will be made. Spacers can be used to ensure the surfaces do not come into contact prematurely.
2. 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.
3. 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.
4. Once assembled, the piece can be machined or trimmed as required.
5. Full cure will take 24 hours.

Technical Data

Colour:	Clear
Appearance:	Liquid
Solids content:	27±1.5%
Specific gravity:	1.20 (Base Adhesive)
Coverage (17kg Canister):	128m ² (Dry Coat weight of 25gm-2)

Cleaning

Adhesive can be removed with Solvent Cleaner.

Storage and Shelf Life

Protect from extremes of temperature in a controlled environment between 15 and 35°C, and away from direct sunlight. **Do not stand canister on a cold concrete floor.** Low temperatures can result in low adhesive coat weights and poor bonds. If canisters are subjected to low temperatures the adhesive will thicken and sometimes separate from the propellant. After bringing the canister back to room temperature, shake or roll the canister to mix the adhesive and propellant.

Stored under the correct conditions, in original, unopened containers, the product will have a shelf life of 12 months.

DO NOT ALLOW THE PRODUCT TO FREEZE

IMPORTANT NOTE:

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