



# SUPERTAK HS

## SPRAYABLE CONTACT ADHESIVE CANISTER

22 May 2017

### YOUR SMART ADVANTAGES

- 17Kg aerosol canister for easy spray application
- Portable
- High strength bonds
- Short tack time
- Good temperature resistance
- Good water resistance

### USES

- For fabric and textiles where high durability, heat and water resistance are required. Bonding of carpet and lining fabrics, leather, furniture foam and highly loaded fabric joints such as lifting straps.
- For many materials such as laminates, foam, felt, carpets and carpet tiles, fabrics, cardboard, rubber, sheet vinyl and most plastics to themselves and a wide variety of substrates including wood, particle board, metal, concrete, brickwork, stone, glass etc.
- Ideal for use in contract flooring, exhibitions, carpet laying, furniture manufacture, re-upholstering, laminating, veneering, shop fitting, joinery.
- Suitable for applications within coach building, vehicle, boat and caravan fitting or refurbishment.
- SUPERTAK HS will bond most types of polyethylene (Polythene) but a test should be carried out to confirm, as some grades contain slip agents which prevent bonding.

### PRODUCT CHARACTERISTICS

Colour	Natural
Viscosity	Sprayable
Composition	Synthetic rubber/resin
Application temperature	15 to 25°C
Tack time	Approx. 1 – 2 minutes
Open time	20 minutes
Full cure	High strength after 24 hours, final bond strength can take up to 7 days
Coverage	100 to 200 m <sup>2</sup> /17 kg canister, depending on surface and application method. Absorbent surfaces may need two coats.

### Product codes

17Kg canister	30804515
3.5m hose	30804691
5.5m hose	30804690
Spray gun	30804132

### TYPICAL PERFORMANCE DATA (APPROX)

Staining	Will not stain adjacent materials. The adhesive film itself will darken over time
Water resistance	Excellent, but not for continuous immersion
Humidity resistance	Excellent
Service temperature*	-20 to +100°C dependent on bond line stress
Transient temperature	160°C maximum

\* The adhesive will deteriorate if subjected to high temperatures and/or humidity on a continuous basis.

### DIRECTIONS FOR USE

Highly flammable liquid and vapour. Read and understand the Safety Data Sheet before using this product.  
It is recommended that this product is fully evaluated as suitable for the application methods to be employed and for suitability of performance both initially and for the expected life of your product under the condition it is expected to withstand.

### SURFACE PREPARATION

Ensure all surfaces are clean and dry.  
Rubber: Roughen the surface thoroughly using a clean emery cloth and dust off.

Metal: Remove rust or oxidation layer by sanding or sand blasting. Immediately solvent wipe using Bostik No. 3 Solvent using the wipe on, wipe off technique, changing cloths regularly. Do not leave the solvent to flash off on its own without wiping off. Bonding must be carried out as soon as possible to avoid flash rust or oxidation.

Non porous substrates: Solvent wipe using Bostik No. 3 Solvent using the wipe on, wipe off technique. Abrade smooth surfaces to improve adhesion.

Severe service conditions or difficult materials may require a primer, consult Bostik for assistance.

## APPLICATION

### - Connecting hose and gun

- o Connect the spray gun to the hose ensuring that the locking nut on the gun is closed, then connect the other end of the hose to the canister and ensure all the connections are tight. Open the valve on the canister, which allows the adhesive into the hose and gun and then open the locking nut on the gun to commence spraying.
- o Note: Always leave the locking nut on the canister in the open position and use the locking nut on the gun to turn off.
- o The valve on the canister should remain open until the canister is empty, locking this valve before then will result in the adhesive drying in the hose and causing blockages. Spray an even film of adhesive to both surfaces to be bonded, taking care to achieve good coverage at the edges.

### - Cleaning and maintenance

- o It is important to keep the canister valve open so as to prevent solidification of the adhesive within the hose and gun.
- o When disconnecting the hose from a used canister, immediately connect it to the replacement, and ensure that the canister valve is open.
- o Drying of the adhesive in the tip of the gun may be an issue. The tip is easily cleaned by removing it from the gun and soaking in No. 2 Solvent or Mineral Turpentine until the adhesive either dissolves, or softens enough to be peeled off.
- o Normal wear will occur and gun or hose replacement will be necessary.

### - Bonding

- o If you have not used a contact adhesive before we recommend that you prepare a few practice pieces first to ensure that your methodology is correct.
- o Materials may vary – prepare a test piece first to ensure product and process is suitable. Some laminated textiles may curl, wrinkle or delaminate after the adhesive is applied, due to solvent swelling of the surface
- o Coarse fabrics may require multiple coats of adhesive for maximum peel strength.
- o In cold or damp conditions, cooling by solvent evaporation may cause water vapour to condense onto the adhesive film. Keep adhesive and components in a warm area and carry out all safety precautions involved with working with flammable liquids.
- o Holding the spray gun about 25cm from the surface spray horizontally and then vertically to a minimum coverage of 80%. Coverage should be 100% of both surfaces for best adhesion. The most common cause of poor bonding is insufficient adhesive.
- o On porous surfaces more than one coat may be required to achieve an even film on the surface. Allow previous coats to dry sufficiently (max 24 hours) before re-coating. Applying wet on wet adhesive will cause excessive soak-in.
- o The porosity of a surface may be judged by applying a droplet of water. If the water beads the substrate is not porous, if the bead soaks in, the substrate is porous.
- o Allow the two films to dry for about 5 minutes, or until they can be touched with the knuckles without any adhesive being transferred.
- o Bonding must be carried out within 20 minutes of applying the adhesive.
- o Carefully align the two surfaces and join together. Take care not to trap any air and use as much

pressure as possible. The recommended minimum pressure required to give a good bond is 280kPa (40psi).

- o The bond is immediate and if the pieces are misaligned they cannot be separated and re-joined. Fresh adhesive will need to be applied to both surfaces and allowed to tack off before re-bonding.
- o If bonding to non-absorbent surfaces allow the adhesive to dry for a longer period. This allows more solvent evaporation and reduce chances of bubbling after bonding due to entrapped solvent.

## LIMITATIONS

- Not suitable for polypropylene or Teflon.
- Not suitable for plasticized PVC. Contact Bostik for information on alternative options.
- Do not use on copper or brass.
- Do not use on expanded polystyrene foam.

## CLEANING

Bostik No. 2 Solvent or Mineral Turpentine.

Use Bostik No. 3 Solvent immediately to remove adhesive from sensitive surfaces such as PVC.

Use Bostik Handy Wipe towels to remove adhesive from skin.

## STORAGE AND SHELF LIFE

Store in cool, dry conditions out of direct sunlight between 10 and 25°C and away from naked flame or sources of heat. Store according to Dangerous Goods regulations.

Do not leave in trunk of car, inside car or anywhere in full sunlight or high temperatures, due to the high risk of bursting the can. Do not expose to temperatures exceeding 50°C. Always allow canister to return to room temperature before spraying.

Shelf life is 12 months if stored in cool, dry conditions in original, unopened containers.

## DISPOSAL

The canister must be disposed of safely, in accordance with local authority requirements. The empty canisters must not be burned because of explosion hazard. To render the Canister un-pressurised, after it has been fully emptied, leave the gun and hose connected with the gun in the 'open' position. Knock out the bung-hole in the top of the canister with a non-sparking tool. Do not dispose of down drains or into waterways. Fully dried material is not hazardous.

## PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit [www.bostik.co.nz](http://www.bostik.co.nz) for copies.

**HIGHLY FLAMMABLE – KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME**  
**USE WITH ADEQUATE VENTILATION**  
**WEAR GLOVES**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CLOSED WHEN NOT IN USE**

## FIRST AID

**Swallowed:** Do not induce vomiting, give a glass of water and contact a doctor immediately.

**Skin:** Remove contaminated clothing, wash with warm soapy water. Do not scrub.

## Supertak HS

**Inhaled:** Remove person to fresh air. Get medical advice if breathing becomes difficult. If inhaled to excess, remove from contaminated area – apply artificial respiration if not breathing.

**Eyes:** Hold open and flood gently with water for at least 15 minutes. Get medical advice.

**For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.**



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