

4. Thoroughly roll across the joint using a silicone roller.
5. To the remaining 20mm. Apply ks87 lap sealant up to the ks137 and between the membranes.
6. After applying the ks87 roll along the length of the seam, to give a final thickness of 1mm.
7. The cover rate of ks137 is 1.25m<sup>2</sup> per kg.

## **hertalan ks143 Bonding Adhesive**

**hertalan** ks143 is a one sided bonding adhesive which must always be applied to the substrate, it can only be used on slopes of less than 15°. Typically the substrate would be of timber, concrete, bitumen coatings and approved coated insulation sheets. We do not recommend the use of ks143 as an adhesive to steel and some faced or non-faced insulation sheets. (See chapter 7)

### **Application Method**

1. The substrate should always be dry and clean, damp areas should be dried off prior to application. To test how dry the substrate is place a piece of **hertalan** onto the substrate apply heat, if this creates condensation on the bottom of the **hertalan** then the substrate is not dry.
2. The extent of application of the adhesive should be determined based on wind load calculations.
3. ks143 should be applied using a pendulum motion and then spread evenly with a comb, alternatively it can be spread evenly in beads at pre - determined centres. Always avoid accumulation of ks143.
4. Following application, ks143 should be allowed to evaporate for between 5 and 15 minutes depending on temperature and wind.
5. The **hertalan** membrane should be rolled onto the ks143 taking care to avoid tension and creases.
6. The spread rate of ks143 is dependant on specification and the absorption rate of the substrate.

## **hertalan ks2000 Lap Adhesive**

**hertalan** ks2000 can only be used for jointing **hertalan** to **hertalan**, in all cases the **hertalan** must be new. ks 2000 cannot be used for bonding old material under any circumstances.

### **Application method [Seam joints hertalan to hertalan]**

Where necessary, **hertalan** can be jointed end to end, these joints should be made as follows:

1. Overlap the **hertalan** by at least 50mm
2. Apply 2 beads of ks2000 between the **hertalan** and finish off with ks87.

- ✓ Always check coverage by lifting a seam to ensure even spread of ks96, this should be carried out regularly and rolled back on completion of each inspection.
- ✓ A 600ml cartridge of ks96 will give a bead of approximately 15m.

### **Edge Finishing for Cladding**

It is acknowledged that wind loadings are higher at the corners of buildings, it is necessary therefore, to reinforce/increase the adhesion at these points:

- Two beads of ks96 1m in length should be applied outwards from each corner.
- Three beads of ks96 should be applied across the vertical face of the ***hertalan*** at 50mm centres starting from the corner.
- The ***hertalan*** should always be rolled with a special silicon roller.

### **General Notes**

- ***hertalan ks96*** does not contain solvents
- ***hertalan ks96*** will absorb substrates and harden within 24hrs
- ***hertalan ks96*** should not be used below 5°C
- ***hertalan ks96*** has a shelf life of 6 months
- ***hertalan ks96*** is supplied in boxes of 12x 290cc cartridges or 12 x 600cc tubes

### **hertalan ks137 Contact Adhesive**

***hertalan ks137*** is a black contact adhesive, which must be applied to both sides, it can be used on both horizontal and vertical faces, and general uses are as follows;

- ✓ Bonding ***hertalan*** to ***hertalan***, i.e. seam joints
- ✓ Edge fixing to various substrates such as concrete, timber, steel, bituminous coverings and some faced insulation materials.
- ✓ Bonding around outlets made of aluminium, steel, lead and the like.

Bonding ***hertalan*** to ***hertalan*** is always achievable with ks137 irrespective of the age of the material, a combination of old and new ***hertalan*** can be used without problem.

### **Application Method**

1. Overlap the ***hertalan*** a minimum of 100mm, both sides of the ***hertalan*** must be clean and dry, where necessary clean the area to be adhered with an approved ***hertalan*** cleaner.
2. Apply ***hertalan ks137*** contact adhesive to both contact areas over a minimum width of 80mm leaving a 20mm clear strip at the exposed edge, apply the ks137 with a brush using a circular motion.
3. Allow the ks137 to dry for between 5 to 20 minutes (dependant on temperature) until the adhesive is touch dry. Carefully place the ***hertalan*** together avoiding wrinkles, creases and tension.

## **Chapter 11**

## **Adhesives**

***hertalan*** adhesives are specifically designed and tested for use with other ***hertalan*** products. The use of adhesives other than those specified by ***hertalan*** is strictly forbidden.

There are several applications for ***hertalan*** adhesives and sealants, which are described below, technical advice, should be sought for applications not included in this document.

### ***hertalan ks87* Lap Sealant**

***hertalan*** ks87 is a durable, high quality, solvent free lap sealant, black in colour.

***hertalan*** ks87 can be used in the following circumstances:

1. ***hertalan-hertalan*** seams in conjunction with ks137 or ks2000
2. To seal to concrete stone and other substrates
3. Between roof trims and ***hertalan***

#### **Technical Notes**

When applying ks87 please observe the following:

- ✓ Where ks87 is being used between two layers of ***hertalan*** it should be 1mm thick
- ✓ Where the sealant is being used as a water repellent ridge i.e. between ***hertalan*** and other substrates, it should be 2mm thick, always ensure that the substrates are clean dry and free of dust.

### ***hertalan ks96* Adhesive Sealant**

***hertalan*** ks96 is a durable high quality one component adhesive sealant for adhering ***hertalan*** products to most substrates. Black in colour, ***hertalan*** ks96 is permanently flexible.

#### **Application method**

- ✓ Ensure that all substrates are clean and free from dust and grease
- ✓ Cut the top of the spout at an angle to create a hole of 7mm diameter.
- ✓ Apply the ks96 in a single bead 7mm thick. DO NOT spread.
- ✓ Apply the ***hertalan*** to the ks96 within 5 minutes.
- ✓ Roll out the ***hertalan*** over the ks96 with a silicone roller to create an adhered joint of approx 25 mm wide. NB: This would be 50 mm if two beads of ks96 were applied.