

## General Notes:

- When renovating bitumen felt roofs with chippings, every effort should be made to remove as many chippings as possible, where chippings are left embedded into the felt, a separating layer of ***hertalan*** Easy.tex 300gram/m<sup>2</sup> non-woven polyester must be used. If it has not been possible to clear the majority of the chippings then consideration should be given to installing either two layers of polyester or thin mineral insulation or thin PS insulation sheets. Roofs prepared as such are now ready to receive a ballasted or mechanically fixed ***hertalan*** membrane. Please note that when two layers of polyester are used it is not advisable to mechanically fix the membrane.
  
- In contrast to PVC products, it is not necessary to use separating layers to prevent softening or migration as there are no softeners in ***hertalan***.

## **Chapter 8** **Separating Layers**

In general, it is not necessary to use a separating layer with ***hertalan***; however, it is advisable in some circumstances i.e.

- ✓ With garden roof systems it is advisable to introduce a filter membrane of non-woven polyester, with a thickness between 100 and 140gram/m<sup>2</sup>. This membrane will ensure that the roots do not penetrate through to the drainage layer.
- ✓ Where a separating layer is required with a mechanically fixed roofing system, there are some consequences because the membrane is fundamentally "loose", and with some insulation materials the effects are likely to be:
  - The membrane may move up and down as a result of wind suction, this can also create a "drum" effect, which can be transmitted into the building. To prevent this effect, consideration should be given to the installation of a separating layer of ***hertalan*** easy.tex non-woven polyester between the membrane and the insulation.
  - With some insulation materials such as PU and Resol, this "drum" effect can also cause a breakdown of the insulation by pulverisation; a layer of ***hertalan*** easy.tex can prevent this from happening.
  - With expanded insulation (EPS), the material can disintegrate due to poor bonding of the globules within the material, in such cases a separating layer of hertalan easy.tex non-woven polyester (min 300gram/m<sup>2</sup>) will act as a shock absorber and prevent deterioration.
- ✓ Separating layers can also be used in inverted roof systems. In these systems the water repellent layer (***hertalan***) should be laid onto the concrete with a protective layer of ***hertalan*** easy.tex as protection. In addition, consideration could be given to laying a filter membrane of canvas between the EPS insulation and the gravel layer. This filter membrane canvas will serve as an extra safeguard against the lifting of the insulation sheets and will make it possible to apply less ballast. The thickness of ballast should always comply with current regulations and be approved by the ***hertalan*** technical department.