

<i>gke</i> – Technical Information	TI 730-137-EN		
Correct appliance of <i>gke Steri-Record</i>[®] labels	Version 01		
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Customers sometimes report that ***gke Steri-Record***[®] labels occasionally don't adhere during or after sterilization. This is a problem of wrong application on some packing materials.

We know that the non-woven materials are the most difficult surfaces, since they are non-polar. The condensate on the non-polar surfaces makes the labels very wet. When the labels get wet they expand and during the drying procedure they shrink again. Also the surface of the non-woven is very rough, so only 4 - 10 % of the adhesion surface will be attached to the non-woven if not properly fixed.

Therefore it is absolutely necessary when the labels are attached to the non-woven materials, to apply them with good mechanical pressure to the surface to adhere them.

Quite often labels are adhered on soft wrapping packs. The problems occur, if not enough force can be applied. The label must be adhered on an area where there is the tray behind where it can be adhered with some initial force at the non-woven packaging material.

Also some non-woven materials release some chemical components during sterilization which soften the adhesive of the label so it may fall off.