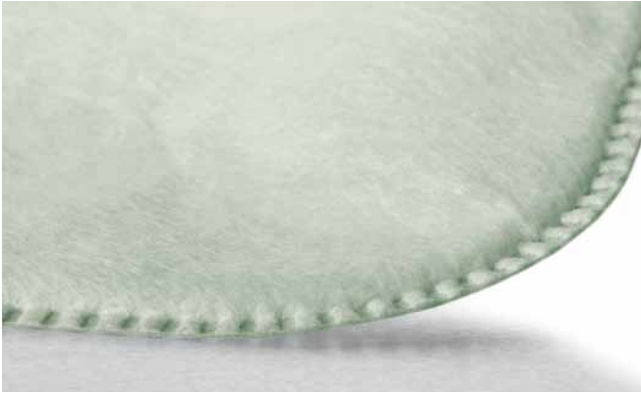


APPLICATION SHEET

SUCTION PAD

CUT 'N' SEAL



■ The task

A rectangular suction pad consisting of various woven and non-woven layers, measuring 175x135 mm has to be cut out of flat raw material and sealed around the edge using a 3 mm wide, structured edge welding.

■ The solution

With the ultrasonic cut 'n' seal process it is possible to cut a wide variety of shapes and sizes and simultaneously seal the cut edges. The wide structured edge welding can be achieved using a special 2-stage cut 'n' seal anvil system.

■ The advantages

The ultrasonic vibrations generate a cutting effect and also generate heat which melts the edge areas and seals them. Using a 2-stage process it is possible to produce not only the sealed outer edge of the cut, but also an additional structured weld if this is required.



The application has been produced using a USP8000 welding system with appropriate 2-stage process tools.

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