# Felting needles with CB-Barb

For longer lifetime of the barbs in abrasive applications

GROZ-BECKERT

**Groz-Beckert KG**
Parkweg 2, 72458 Albstadt, Germany
Phone +49 7431 10-0
contact-nonwovens@groz-beckert.com
www.groz-beckert.com

With the CB-Barb, Groz-Beckert has developed an optimized barb design for use in abrasive applications.

In abrasive segments such as the production of geosynthetic clay liners and ceramic blankets, as well as the processing of other inorganic fibers, high barb wear and, in some cases, rapid clogging of the barbs frequently occur. These factors increase maintenance frequency and have a negative impact on production efficiency.

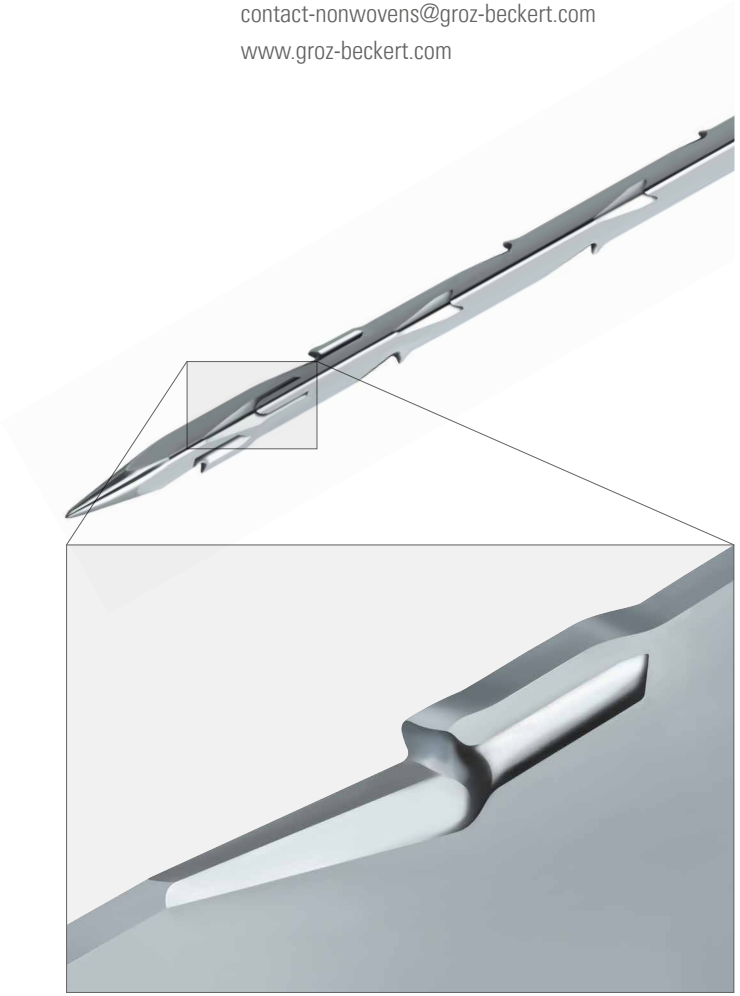
The CB-Barb was developed with this in mind. The barb design is engineered to extend needle life and improve process stability, thereby significantly reducing machine downtime. This increases production efficiency and reduces maintenance requirements on the needle board.

**Technical Features**

- Three-dimensional shape
- Extended and high kick-up
- Placed at barb positions 1 through 3: The combination of CB-Barbs and regular barbs ensures proper needling performance.

**Groz-Beckert Patent**

EP 3 266 919, CN 109 415 860
und US 10, 920, 350



GROZ-BECKERT

**Advantages**
- Efficient fiber transport
- Self-cleaning (to a certain extent)
- Extended service life of the barbs

**Typical applications**
- Geosynthetic clay liners
- Insulation felts
- Fiberglass applications
- Other abrasive fibers

**Expanded application possibilities in the fine-gauge range**
- Synthetic leather
- Automotive
- Filtration

Needles with a CB-Barb in the 20 gg to 32 gg gauge range are available through the usual distribution channels. A selection of finer gauges can be provided upon request for testing purposes.

**STD (Standard)** **CB-Barb**

Product manufactured using a 40 gg RF barb needle and a 40 gg CB-Barb needle, with comparable textile physical properties.