

NTR 137



Cold Foiling Blanket

We at NOVURANIA have learned many years ago listening to our customer's needs and to the stockholder's expectations. This is how we have developed products specifically designed to meet your needs, while constantly improving on our environmental compliance. New construction materials and technological advances play a vital role in NOVURANIA's R&D and manufacturing processes. No one believes more firmly than our staff that Innovation is the key to success... Year after year we continue to introduce new models as well as new, cleaner, manufacturing processes. Our environmental managing system is approved to ISO 14000, because we believe we owe this to the future generations.

Every time, every day you use our new NOVURANIA blankets you will appreciate we are truly *Ahead of our times*.

NTR 137

Cold Foiling Blanket

Characteristics

Good smash resistance

Excellent rebound/recovery characteristics

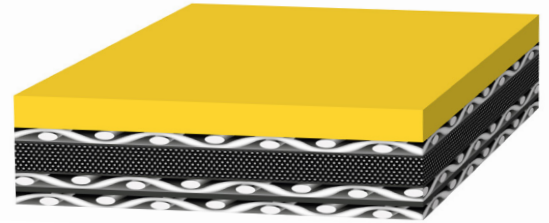
Low compression set

Very high release of substrate and glue

Increased longevity and run life

High scratch and rub resistance

The Novurania NTR 137 was developed for inline cold foiling. The specially formulated surface compound allows excellent results in all cold foiling applications. The blanket's high density, low stretch carcass maintains gauge better than most available blankets. Designed for special effect foiling, the NTR 137 was developed for high quality packaging advertising and illustration finishing.



This blanket is one of very few blankets on the market that has been specially developed for inline cold foiling applications. The cold foil application is a system of inline glueing of a film using a lithographic adhesive. Cold foil adhesives are available as conventional or UV formulations. Cold foil adhesive has more in common with ink than glue in its constitution and can be applied to the substrate in the same way as ink through the normal ink train, and using a standard lithographic printing plate. The cold foil adhesive can be applied as a spot or flood effect onto the entire sheet as the foil then only sticks onto the substrate where the adhesive has been applied. Transferring glue makes release the most critical aspect of this blanket, this is why the NTR 137 was developed to give outstanding release. This application is carried out in register and according to a printing pattern, using one of the printing units on the printing press by pressing together the foil carrier and the substrate (with the printed adhesive). The foil then sticks to the substrate wherever the adhesive is printed. In a sheetfed offset press two printing towers are used to perform the cold foiling. One printing tower is used to apply the adhesive, which is applied just like a normal offset ink. The second printing tower is used to press the substrate and the foil carrier together. It is also very easy to switch from foiling to normal printing, thus maintaining all the flexibility of the press.

Available gauge	1,95 mm
Standard surface colour	Yellow

Typical technical data

Tensile strength	> 2000 N/50 mm
Elongation	1,20 % (10 N/mm load)
Hardness	68 Shore A
Microhardness	80 Shore M
Hysteresis (Compressibility)	60 mJ (on the 5th compression cycle)
Surface roughness	1,0 - 1,3 µm Ra
Contact Angle	125°
Swelling	
in a typical blanket wash	< 1 %
in a typical blanket rejuvenator	5 - 6%
in MEK	22%

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