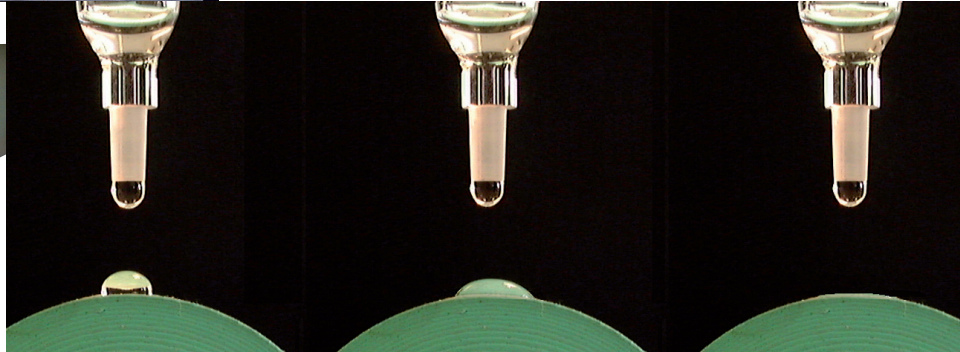




The combination of high performance, purity and reliability remains unrivalled until now and the development of special Monkal® formulas has led to a product range that is unique in the market:

- compounds with improved solvent resistance (up to 50% for certain solvents),
- compounds with improved and abrasion resistance, ideal for long runs without change-over,
- compounds with special filler technology, offering a previously unseen degree of purity, wettability and grindability.



Always a step ahead

Thanks to the high surface energy, water-based coatings can be perfectly spread and applied, offering a high end solution for chemcoating.

To meet the requirements of the different coating applications, other polyurethane compounds such as **Hannecoat®** and **Hanneflex®** were developed as well as a full range of special rubber compounds based on EPDM, CSM, Butyl and other elastomers.

All these compounds combine extreme purity with high performance.

The development of composites technology has opened a multitude of new possibilities: underlayers to restore old applicator rollers, sleeves that allow easy stock and covering management, lightweight rollers and integrated solutions such as **Handy-Coat®** are just a few examples.

Within our ISO 9001: 2000 certification, strict control plans are in place to ensure the right quality.



HANNECARD

An International Group

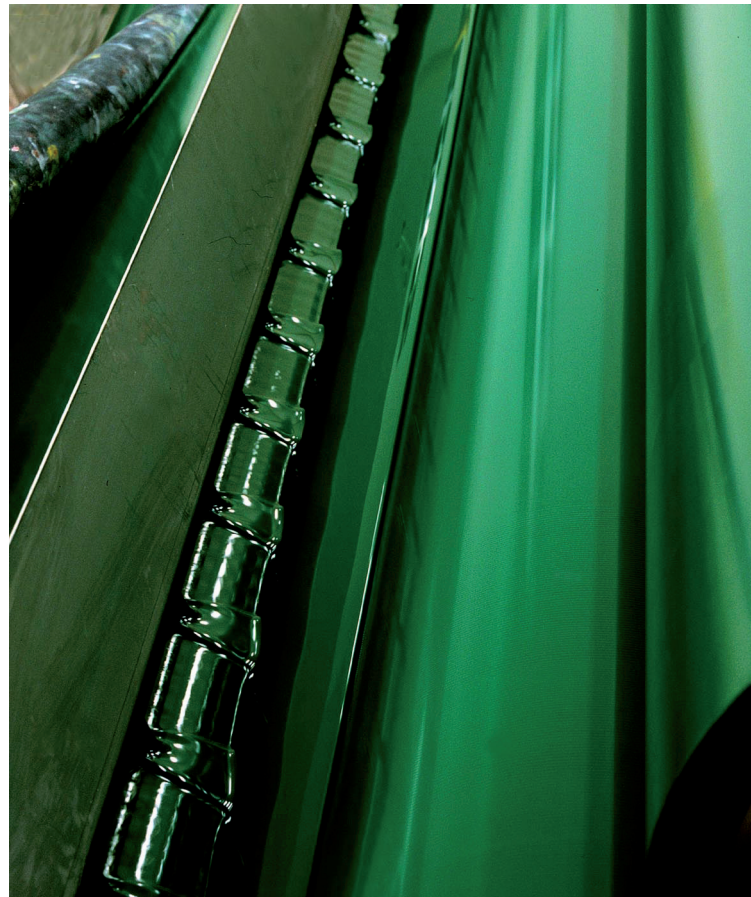
<p>HANNECARD Polyurethane unit Ninoofsesteenweg 589 B - 9600 RONSE BELGIUM T +32 (0)55 23 76 30 F +32 (0)55 21 03 59 E info@hannecard.com</p>	<p>HANNECARD ALSACE 51, Rue Strasbourg 67490 DETTWILLER FRANCE T +33 (0)388 91 40 25 F +33 (0)388 91 48 14 E alsace@hannecard.com</p>	<p>HANNECARD POLSKA UL. UJASTEK 1 31-752 KRAKOW POLAND T +48 (0)12 644 12 76 F +48 (0) 12 644 17 14 E polska@hannecard.com</p>
<p>HANNECARD Rubber unit 311, Rue du Soleil 9600 RONSE BELGIUM T +32 (0)55 23 76 30 F +32 (0)55 21 03 59 E info@hannecard.com</p>	<p>KALKER PAPER Les Pelouses - Route du Lude 72200 LA FLECHE FRANCE T +33 (0)243 48 66 35 F +33 (0)243 48 11 10 E france.kp@hannecard.com</p>	<p>HANNECARD ALGERIE Rue des Frères Belaid – Boufarik Wilaya De Blida ALGERIA T +213 (0) 25 31 27 45 F +213 (0) 25 31 27 45 E algerie@hannecard.com</p>
<p>HANNECARD FRANCE site La Flèche Les Pelouses - Route du Lude 72200 LA FLECHE FRANCE T +33 (0)243 48 11 11 F +33 (0)243 48 11 29 E france@hannecard.com</p>	<p>HANNECARD Tumbelenstraße 22 8330 Pfäffikon ZH SWITZERLAND T +41 (0)44 952 29 90 F +41 (0)44 952 29 70 E info@hannecard.ch</p>	<p>HANNECARD TUNISIE BP 77 TN-1100 Zaghouan TUNISIA T +216 (0) 72 675 823 F +216 (0) 72 676 399 E tunisie@hannecard.com</p>
<p>HANNECARD FRANCE site Rhône-Alpes 13, Avenue de Chantereine 38300 BOURGOIN-JALLIEU FRANCE T +33 (0)474 19 02 70 F +33 (0)474 93 91 78 E france.ra@hannecard.com</p>	<p>HANNECARD ITALIA Via San Damiano 2 15053 CASTELNUOVO SCRIVIA (AL) ITALY T +39(0)131 82 68 47 F +39(0)131 82 52 45 E italia@hannecard.com</p>	<p>HANNECARD SAUDI PO Box 387 Riaydh 11383 SAUDI ARABIA T +966 (0)1 265 3016 F +966 (0)1 265 3017 E saudi@hannecard.com</p>
	<p>HANNECARD IBERICA Pol. Ind. "El Campillo II" P.11.1 48500 ABANTO – ZIERBENA BILBAO (Bizkaia) SPAIN T +34 (0) 946 360 502 F +34 (0) 946 369 003 E iberica@hannecard.com</p>	<p>H&M ROLLERS PO Box 265510 Three Rivers 1935 SOUTH AFRICA T +27(0)16 423 37 33 F +27(0)16 454 94 26 E info@hmrollers.co.za</p>

www.hannecard.com

The art of coating

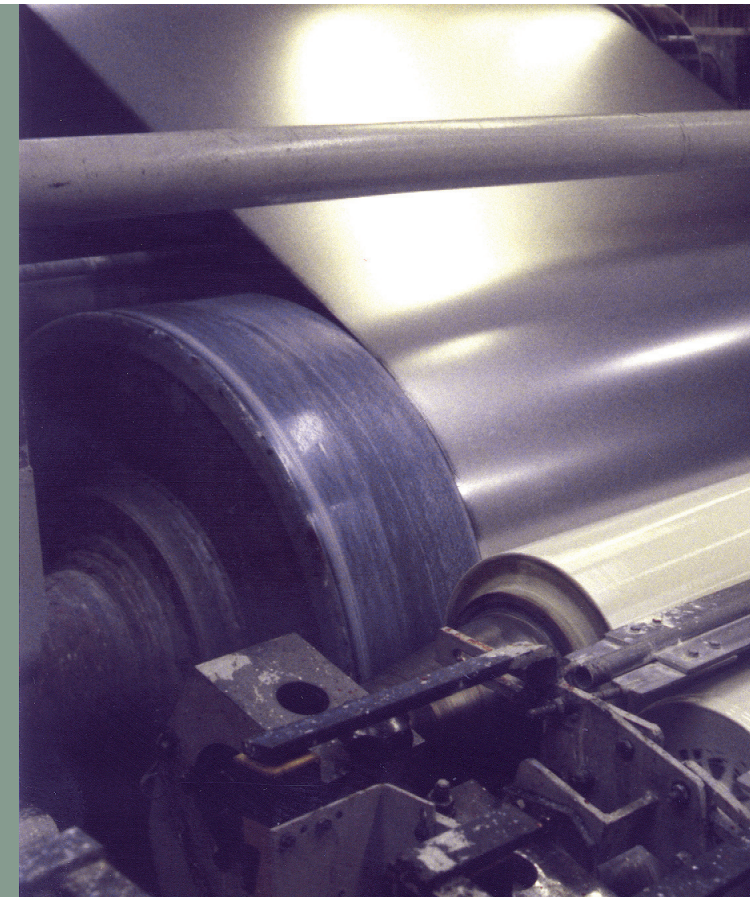


HANNECARD



Wherever you are, the top of the bill in coating technology is within your reach... All You Need For Your Application

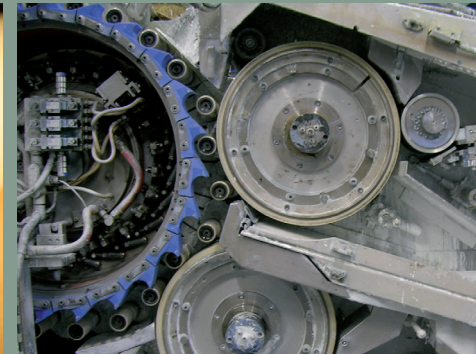
Do you coat on steel, aluminium or non-ferrous strip?
Is your process continuous or not? And do you apply
either solvent or water-based products? Whatever
your needs are, we provide the product, covering or
service that suits you best.



Get The Quality

Within Hannecard's long tradition as roll covering specialists, the know-how related to coating processes has always been of strategic value.
With the development of the Monkal® polyurethane range, Hannecard has achieved a major breakthrough. All our polyurethane and rubber compounds are specially designed for coating purposes and combine extreme purity with high and consistent performance.
By installing high precision grinding capabilities, through the development of new concepts and thanks to its world-wide production and distribution possibilities, Hannecard has achieved a position as leader in the field of coating coverings.

Unique concepts such as Handy-Coat® offer integrated cost- and time-saving solutions to both OEM companies and end-users. Thanks to sleeve technology and to our Glue & Grind® fast recovering process, our coverings can be applied all over the world. In addition to its roller covering capabilities, Hannecard is internationally renowned for its range of large blankets and magnetic blankets for sheet and can coating.



The **Monkal®** polyurethanes are renowned world-wide for their unique coating behaviour, their purity and their long lifetime. Monkal® is easy to grind and can be obtained with a hardness between 35 and 60 shore A.

But Monkal® would not be half as good without the special vertical casting process that guarantees homogeneity throughout.

Nothing pleases a coil, can or sheet coater more than the comforting certainty of consistent quality.

Hannecard provides a multitude of products for the metal packaging industry:

- ▶ rubber and polyurethane covering for all sheet pre-coating applications and machine types
- ▶ special multi-layer EPDM blankets in 30 and 40 shore A for sheet coating
- ▶ easy to mount magnetic blankets for can coating
- ▶ the unique and patented **Handy-Coat®** concept for can coating with wheels.

With **Handy-Coat®** it is no longer necessary to ship your coater wheels for recovering. You just keep your sleeves in stock and within a few minutes you can replace the used sleeve with a new one. The savings in cost, time and space are just a few of the numerous advantages...

Being coating specialists, we no longer need to establish a reputation.

Our know-how applies to all coating domains in the metals industry:

- ▶ continuous coil coating on steel, aluminium, zinc and copper strip (paint, varnish, automotive primers...)
- ▶ continuous varnishing for electrical steel strip
- ▶ continuous chemcoating (chromate and phosphate coaters, anti-fingerprints, protective coverings...)
- ▶ skin plating, laminating, glue and hot-melt applicators
- ▶ sheet coating
- ▶ pre-coat and finish-coat for metal packaging, crown-corks, lids etc.
- ▶ can coating (beverage cans, food cans, aerosols...)

Our high precision grinding and grooving machines and our special control equipment allow us to obtain high precision finishes. Grooved and laser engraved finishes can be supplied on coverings for metal packaging pre-coat. High precision grooving can be provided on applicator rollers for electrical steel, including microscopic control of the groove shape

