



# ROLLER COVERING FOR THE METAL INDUSTRY

## COLOUR & CHEMICAL COATING

Coil coating applications have gained more and more importance over the years due to the evolution towards value added strip products (steel, aluminium or other non-ferrous materials).

Furthermore, the use of coating machines has become the preferential technique to apply “chemical” coatings, such as passivation and pre-treatment products or water-based coatings.

### YOUR REQUIREMENTS

- **Constant quality**
- **Very high purity and homogeneity**
- **Chemical resistance**
- **Cut-in resistance**
- Surface properties for **improved transfer and the application of the coating**
- Easy to **grind**

The heart of the coil coating machine, used to apply liquid coatings, consists of the applicator roller, which is elastomer covered. This roller has a crucial impact on the quality of the coated product.

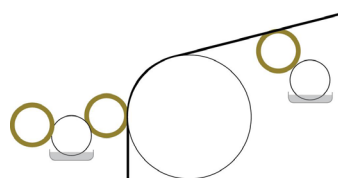
The Hannecard Group has become a specialist throughout Europe and even worldwide, thanks to the development of a superior covering

concept, including technologies and compounds that assure an important improvement of the coil coating process.

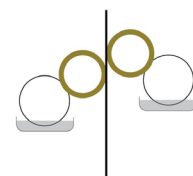
Hannecard also provides long lasting solutions for the pick-up rollers, based on the unique HVAF thermal spray technology.

### THE ADVANTAGES OF MONKAL®

- **Unique casting technology** in vertical position
- **Double filtering**
- **Very high purity**
- **Special formulations** for colour coating and chemcoating
- Silky surface, **easy to grind**  
(Ra roughness values between 0,4 and 3,5 µ)
- Surface tension properties that improve the spreading and transfer of the coating
- Available hardness: 15 - 70 shore A



Double side colour coating



Double side chemcoating

Solution	Type	Characteristics	Applications
<b>Monkal-4®</b>	Sand colour * 40-65 Shore A Polyurethane	<ul style="list-style-type: none"> <li>• Opaque polyurethane</li> <li>• Vertical casting</li> <li>• Outstanding wettability</li> </ul>	Solvent and water based varnishing and coating - Chemical coating - Specifically recommended for coating on aluminium
<b>Monkal-5®</b>	Green* 15-70 Shore A Polyurethane	<ul style="list-style-type: none"> <li>• Transparent polyurethane</li> <li>• Vertical casting</li> <li>• Improved abrasion resistance</li> </ul>	Colour coating and varnishing - Specifically recommended for chemical coating and for high-speed coating
<b>Monkal-5 HP®</b>	Blue* 55 Shore A Polyurethane	<ul style="list-style-type: none"> <li>• Transparent polyurethane</li> <li>• Vertical casting</li> <li>• Outstanding abrasion and cut-in resistance</li> </ul>	Recommended for long production runs without changing the applicator roller - Extended lifetime
<b>Monkal-5 AS®</b>	Blue* 50-60 Shore A Polyurethane	<ul style="list-style-type: none"> <li>• Transparent polyurethane</li> <li>• Vertical casting</li> <li>• Antistatic</li> </ul>	Solvent-based coating with fire risk
<b>MultiCoat-SB</b>	Green 35-75 Shore A Rubber	<ul style="list-style-type: none"> <li>• High purity and homogeneity</li> <li>• Excellent wettability</li> <li>• Excellent resistance to acid solutions</li> <li>• Excellent resistance to polar solvents</li> </ul>	Varnishing, colour coating and chemical coating, based on water and polar solvents
<b>MultiCoat-XP</b>	Green 50-60 Shore A Rubber	<ul style="list-style-type: none"> <li>• High purity and homogeneity</li> <li>• Excellent abrasion, tear and cut-in resistance</li> <li>• Good acid resistance</li> </ul>	Water based chemical coating
<b>MultiCoat-ES</b>	Blue 60 Shore A Special Rubber	<ul style="list-style-type: none"> <li>• Very high surface energy</li> <li>• Excellent acid resistance</li> <li>• Very high purity</li> </ul>	MgO and insulation coating on electrical steel. Can be supplied with micro-engraving
<b>Hannespray-CR</b>	Chromium Carbide in HVOF thermal spray	<ul style="list-style-type: none"> <li>• Very high density and hardness</li> <li>• Extended lifetime compared to chrome plating</li> <li>• Thickness 75 – 300 µ</li> <li>• Possible to apply on stainless steel roller cores</li> </ul>	Hard cover for pick-up rollers

\* Other colours upon request

## RELATED DOCUMENTS

- Solutions - 'Steel, Stainless Steel & non ferrous coils'
- Solutions - 'Management of Mechanics'
- Solutions - 'Cleaning & Degreasing'
- Product information - 'Elastic Sleeves'

## MORE INFORMATION?

For more information, please contact your local Hannecard partner or visit our website at:

[www.hannecard.com](http://www.hannecard.com)