

# CORONA TREATMENT ROLLER COVERING FOR THE PLASTIC FILM INDUSTRY



## DESIRED PROPERTIES

- Ozone resistance
- Perfect electric insulation
- Dielectric stability
- Perfect homogeneity

## RELATED DOCUMENTS

- Solutions - 'Spreading Technology'
- Solutions - 'Winding & Slitting'
- Solutions - 'Blown Film Extrusion'
- Solutions - 'Cast Film Extrusion'
- technical data sheet 'CORONA-S'
- technical data sheet 'CORONA-XP'

If you'd like to receive a copy of these documents, please get in touch with your local Hannecard partner.

These documents are also downloadable from our website [www.hannecard.com](http://www.hannecard.com)

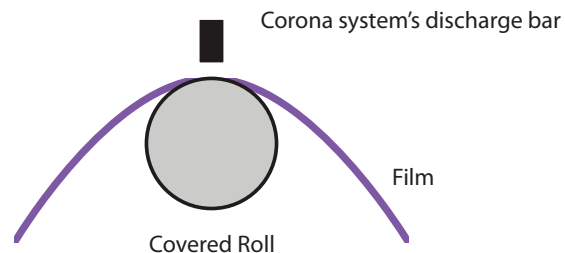
Corona treatment consists in modifying the surface tension of polymer based surfaces in order to enhance their wettability thanks to an electrical discharge.

The low surface energy of most polymer materials causes them to be non-receptive to bonding with inks, adhesives and coatings. In order to improve adhesion, it is often necessary to raise the surface energy of the substrate so that it will be slightly greater than the one of the product to apply. Corona treatment gives good results in the field and makes it possible to increase the surface wettability and, thus, allows a

better applicability of substances like inks and adhesives.

Corona treatment is achieved by means of electrodes positioned above the film surface resulting in a tremendous increase of the ozone quantity.

Thanks to experience and continuous research, the solution proposed by Hannecard guarantees a constant quality and an outstanding stability.



| Solution         | Product Name                                          | Characteristics & Advantages                                                                                                                                                                                                                                    |
|------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard         | <b>Corona-S</b><br>70 & 80 shore A<br>Grey            | <ul style="list-style-type: none"> <li>• Very good and stable electrical insulator</li> <li>• Excellent electrical stability up to 30 kV discharge</li> <li>• Attractive price level</li> </ul>                                                                 |
| High Performance | <b>Corona-XP</b><br>70 et 80 shore A<br>Green / Ivory | <ul style="list-style-type: none"> <li>• Covering range with still improved purity</li> <li>• Remarkable electrical stability over the complete covering, even at high discharge</li> <li>• For the most stringent requirements in Corona insulation</li> </ul> |