

## Corrosion Resistance

### ZINC FLAKE COATING DELTA PROTEKT®

APPLIED ON NORD-LOCK STEEL WASHERS



<b>ENVIRONMENTAL COMPLIANCE</b>	<ul style="list-style-type: none"> <li>· ELV compliant (EU directive 2000/53/EC)</li> <li>· RoHS compliant (EU directive 2002/95/EC)</li> </ul>
<b>COATING SPECIFICATION</b>	<p>Zinc and aluminium based inorganic surface coating:</p> <ul style="list-style-type: none"> <li>· Base coat KL100 (according to EN ISO 10683). Silvery / matt grey colour.</li> <li>· Top coat VH 302 GZ. A water based and transparent seal.</li> </ul>
<b>APPLICATION TECHNIQUE</b>	<p>Dip spin</p> <p><i>The method offers an evenly applied micro layer. Furthermore; the use of a non-electrolytically applied surface treatment eliminates the risk of hydrogen embrittlement. After dip spin, the washers are heated in order to cure the coating.</i></p>
<b>CORROSION RESISTANCE</b>	<p>Endures a minimum of 600 hours of salt spray test in accordance with ISO 9227 and DIN 50021.</p> <p><i>The coating provides cathodic protection and also a barrier effect.</i></p>
<b>TEMPERATURE TOLERANCE</b>	<p>Temperatures above 180°C affect the corrosion resistance according to Dörken.</p>
<b>REGARDING HIGH PURITY APPLICATIONS</b>	<p>Particles from the zinc flake coating may loosen can contaminate sensitive environments such as clean rooms, food processing facilities, hydraulic / engine oil. Therefore NORD-LOCK recommends suitability testing in applications with specific requirements for high purity (no loose particles). Contact NORD-LOCK for product samples and further technical advice.</p>
<b>FURTHER INFORMATION</b>	<p>The surface coating process is performed at the NORD-LOCK factory in Sweden. Our Dörken certificate and salt spray test results are available through our website: <a href="http://www.nord-lock.com">www.nord-lock.com</a></p> <p><i>Dörken's website: <a href="http://www.doerken-mks.de">www.doerken-mks.de</a></i></p>

The Most Effective Bolt Securing System