Bezinal® passport

What?

Bezinal® is a Zn 95/Al 05 coating of Eutectic composition
Melting temperature: 382 °C
Trade Mark Bezinal®

Properties

• Excellent corrosion resistance = 2-3 x better than Zn for the same coating weight.
• Cathodic protection better than with Zn.
• Good corrosion resistance maintained at welding spots.
• Stress relieving at 250 °C 30min.
• Grey patina
• Ductility = easy deformation
• Low friction

Derived properties

Excellent coilability and productivity
• lower burring, flaking
• higher coiling speeds
• more consistent forming
• less scrap
Availability of larger, more economic packages, enhanced productivity.

2 qualities for Spring Wire

Bezinal®
>60 g/m² for wire sizes ≥ 1.25 mm
>240 hrs saltspray DIN 50021 SS
>40 g/m² for wire sizes < 1.25 mm
>120 hrs saltspray DIN 50021 SS

Bezinal® Extra
Coating acc to EN 10244 and Bek spec DA 02-05 Salt spray acc. to DIN 50021 SS

Coating size salt spray

<table>
<thead>
<tr>
<th>Coating</th>
<th>size</th>
<th>salt spray</th>
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</thead>
<tbody>
<tr>
<td>Bezinal</td>
<td>&gt; 70</td>
<td>&gt;240 hrs</td>
</tr>
<tr>
<td>Bezinal</td>
<td>&gt; 75</td>
<td>&gt;264 hrs</td>
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<tr>
<td>Bezinal</td>
<td>&gt; 80</td>
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<tr>
<td>Bezinal</td>
<td>&gt; 85</td>
<td>&gt;288 hrs</td>
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<td>Bezinal</td>
<td>&gt; 100</td>
<td>&gt;312 hrs</td>
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<tr>
<td>Bezinal</td>
<td>&gt; 110</td>
<td>&gt;360 hrs</td>
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<tr>
<td>Bezinal</td>
<td>&gt; 125</td>
<td>&gt;408 hrs</td>
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Applications

Bekaert Bezinal® has been designed as a better alternative to Zn coatings.
Bekaert Bezinal® Extra is an alternative to post-coated materials

e.g.: 
• clips and wire forms
• wiperscreen arms
• several kinds of springs
• casing

Make up

Spoolless cores:
KZ2ES 150 Kg
KZ2S 250 Kg
KZ2 400 Kg
KZ3 700 - 800 Kg