Acoustics - Water-borne noise-damping coating

Description
A one-component water-borne, functional, noise-damping coating for airless application.

Product features
Suitable to be used on interior and sheltered surfaces only.

Recommended uses
Recommended to be used on steel roofing sheets, metal surfaces in vehicles and railway cars, ventilation ducts and other metal surfaces where vibration and noise problem occurs.

TECHNICAL DATA

Features
Excellent acoustic damping and vibration absorbing properties.
Forms very elastic and porous coating layer.
Prevents from condensation.
Complies with the requirements of EN13501-1, class A2-s1d0.

Colour Range
White and grey.

Gloss grade
Matt

Coverage

<table>
<thead>
<tr>
<th>Recommended film thickness</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>dry 600 g/m²</td>
<td>wet 1200 g/m²</td>
</tr>
<tr>
<td>450 μm</td>
<td>900 μm</td>
</tr>
<tr>
<td>1800 g/m²</td>
<td>3600 g/m²</td>
</tr>
<tr>
<td>1350 μm</td>
<td>2700 μm</td>
</tr>
<tr>
<td>1.1 m²/l</td>
<td>0.4 m²/l</td>
</tr>
</tbody>
</table>

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Can sizes
18 l, 100 l.

Thinner
Water

Application method
By airless spray or when not possible by brush or roller.

Drying times

<table>
<thead>
<tr>
<th>Through dry +20°C / RH 55%</th>
<th>+50°C, kiertoilma</th>
</tr>
</thead>
<tbody>
<tr>
<td>WFT 1200 g/m²</td>
<td>8–10 h</td>
</tr>
</tbody>
</table>

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Special feature
Noise damping: Tan Delta (combined) 0.116 (VTT-CR-00259-15, test report)
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available on request)

Solids volume 50%.
Density 1.3 kg/l
Product code 006 5129, 006 5130

APPLICATION DETAILS

Application conditions
All surfaces must be dry. The temperature of the ambient air and surface should not fall below +10°C during application and drying. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3°C above the dew point.
The temperature of paint itself should be above +15°C for proper application.
Good ventilation is required in confined areas during application and drying.

Preparation
Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)
Aluminium surfaces: Sweep blast-clean with non-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with MAALIPESU detergent.
Zinc and aluzinc surfaces: Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.
Primed surfaces: Industrial coil primer on the backside of the steel roofing sheets does not require any special preparation. Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat with Temaprime EE or Rostex Super. Note the overcoating time of primer. (ISO 12944-4)
Stainless steel: Roughen the surface by grinding of sweep blasting using non-metallic abrasives.

Priming
Temaprim EE, Temacoat RM 40, Temacoat Primer, Temacoat GPL-S Primer, Rostex Super Akva and Rostex Super or directly on galvanized surface. Old painted surfaces are recommended to roughen to ensure adhesion.

Application
By airless spray or when not possible by brush or roller. Mix the paint thoroughly before use. The paint can be thinned 0–5% by volume if necessary. Spray nozzle tip 0.035”–0.039” and nozzle pressure 150–180 bar.

Finishing
Do not overcoat with any other type of coating as it causes loss of condensation protection properties.

EU VOC 2004/42/EC-limit value
The Volatile Organic Compounds amount is 15 g/litre of paint mixture.

HEALTH AND SAFETY LABELLING
according to Regulation (EC) No. 1272/2008

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ENVIRONMENTAL and WASTE DISPOSAL

Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oyj. Only for industrial and professional use.

TRANSPORT

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