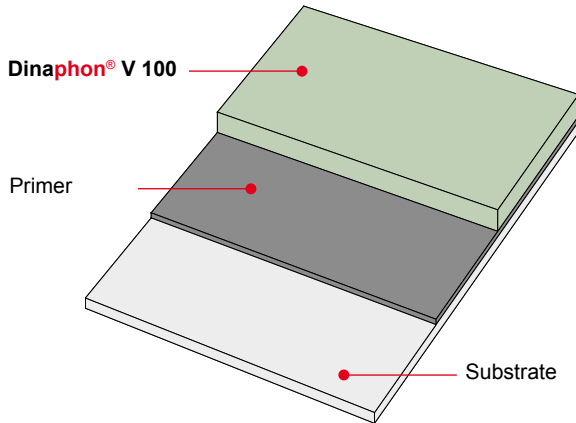


Dinaphon® V 100

06/2008

Damping and condensation protection coating

Cross Section



Applications

Thanks to its outstanding damping properties, **Dinaphon® V 100** provides excellent deadening of resonant vibration transmission in motor vehicles, railroad cars and machinery housing.

In addition, the dry material coating is also capable of absorbing high volumes of moisture for prevention of dripping water caused by condensation in spaces subject to sudden, high relative humidity. **Dinaphon® V 100**'s double purpose function makes it an extremely economical product.

Attributes

Dinaphon® V 100 is distinguished by its high solid body content and minimum shrinkage with drying. It dries well in thick coats with virtually no edge cracking. Moreover, superior spraying qualities, stability and cohesiveness make it especially easy to work with.

Use

Dinaphon® V 100 is best applied with a spray gun with 6 mm nozzle and compressor capacity of 30 - 35 m³/h. Depending on the type of spray gun, a working pressure of between 4 to 7 bar is necessary.

In addition, **Dinaphon® V 100** can be applied with a trowel or similar tool. Prior to application, the surface must be clean and oil free. If applied over iron, it is best to sandblast and prime the surface first. If this is not possible, the surface must be at least thoroughly cleaned and free of any trace of rust prior to application. **Dinaphon® V 100** can be applied in single wet coats of up to 7 mm (yields 6 mm coat when dry).

Technical Data

Product Data	Dinaphon® V 100
Adhesion to primed sheet metal	0.47 N/mm ²
Specific weight:	
At purchase	1.260 g/cm ³
Dry	1.469 g/cm ³
Solids content	65 %
Contraction with drying	50 % of volume
Coverage and drying time:	
Per mm of dry coat without loss	2.288 kg/m ² *
Per mm of wet coat	1.144 kg/m ²
1 mm wet coat = x mm dry coat	.5 mm
Water absorption (percent by weight)	8.1 % after 24 h
Drying time (normal conditions) for 4 mm coat	72 h
Fire ratings as per DIN 5510 Section 2:	
Flammability	S4
Smoke	SR2
Drip	ST2
Fire rating LNE (AFNOR)	M1
Fire rating LNE (AFNOR)	F1
Heat resistance:	
At 120 °C	3 days
At 170 °C	3 hours

* Does not include allowance for overspraying

Drying

A wet coat of 1.5 mm requires 8 – 10 hours to dry at 20°C and 50% relative humidity. Depending on the actual conditions of the specific site, the drying time may vary greatly. Air circulation is very important to the drying process.

Packaging Unit and Form

High viscosity liquid for spray application

Colour: beige

Standard packaging unit:

20 kg tub, 200 kg drum

Shelf Life

Six months if stored in a properly sealed original container and not exposed to freezing temperatures

Technical Information

Cleaning of tools, equipment and hands:

Dinaphon® V 100 removes easily with water if wet.

Physiologische effects:

None.

Flammability:

Non-flammable if wet.

Safety information:

Not classified as toxic. Not available for retail sale to public. BAG T No. 619000 (Swiss code). VVS 1610. RID/ADR non-hazardous European rating.

Solvent content: 0%

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