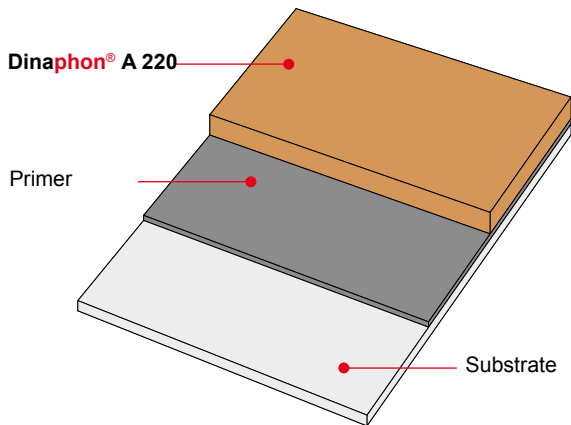


# Dinaphon® A 220

06/2008

Solvent-free, damping, thermal insulating and condensation preventative coating

## Cross Section



## Applications

**Dinaphon® A 220** is a thermal insulation coating for driver's or operator's cabins of rail or heavy construction motor vehicles. Applied to the inner walls of outer housing and beams in constructions susceptible to thermal bridging, it provides thermal insulation for the prevention of condensation water and creation of atmospheric equilibrium.

**Dinaphon® A 220** is usually applied as an additional coat to corrosion protection coats and soundproofing.

## Attributes

**Dinaphon® A 220** is a synthetic resin emulsion based final coating with foamed polystyrene pellet content. Applied in 6 – 10 mm coats over metal, it soundproofs and provides thermal insulation while preventing condensation for improved environments in operator cabins.

**Dinaphon® A 220** is water thinnable and free of organic solvents. It is suitable for application with plaster pumps and high-pressure spray systems. Consult factory or refer to specifications for suitable pumps and nozzle sizes. A dust mask offers sufficient protection against the airborne particles generated by spraying, which are minimum. **Dinaphon® A 220** contains no hazardous or corrosive substances.

## Use

Apply with Putzmeister plaster pump or compatible and 10 mm nozzle. Installs wet over wet in up to 10 mm coats. Minimum air and surface temperature is 5°. 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. However, if this is not possible, the surface must be at least thoroughly cleaned and free of any trace of rust prior to application of **Dinaphon® A 220**. Following removal of oil or grease and subsequent cleansing, sheet aluminium requires phosphate priming before **Dinaphon® A 220** is applied.

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## Technical Data

Product Data	Dinaphon® A 220
Adhesion to primed sheet metal	.39 N/mm <sup>2</sup>
Specific weight:	
At purchase	1.019 g/cm <sup>3</sup>
Dry	1.063 g/cm <sup>3</sup>
Solids content	33 %
Contraction with drying	35 % of volume
Coverage and drying time:	
Per mm of dry coat without loss	1.445 kg/m <sup>2</sup> *
Per mm of wet coat	.939 kg/m <sup>2</sup>
1 mm wet coat = x mm dry coat	.65 mm
Water absorption (percent by weight)	39.6 % after 24 h
Drying time (normal conditions) for 4 mm coat	96 h
Rated thermal conductivity $\lambda$ (W/m <sup>2</sup> K)	.125
Fire ratings as per DIN 5510 Section 2:	
Flammability	S4
Smoke	SR2
Drip	ST2
Heat resistance:	
At 120 °C	3 days
At 170 °C	3 hours

\* Does not include allowance for overspraying

## Drying

Requires one to two days at 20°C and 50% relative humidity to dry. 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 with plaster pump

**Colour:** beige

**Standard packaging unit:** 170 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® A 220 removes easily with water if wet.

### Physiological 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: 1%

*Siegfried Keller AG provides its assistance, application-specific advice and product use instructions to the best of its knowledge and ability. Siegfried Keller AG reserves the right to make the changes to its products and information, which are the result of its constant efforts to improve both the information and products, and shall not be held liable for damages occurring due to the information or assistance it provides. Moreover, the information provided by Siegfried Keller AG shall not nullify the responsibility of the purchaser of the products to test the suitability of the materials for the intended application, process and purpose prior to using them.*