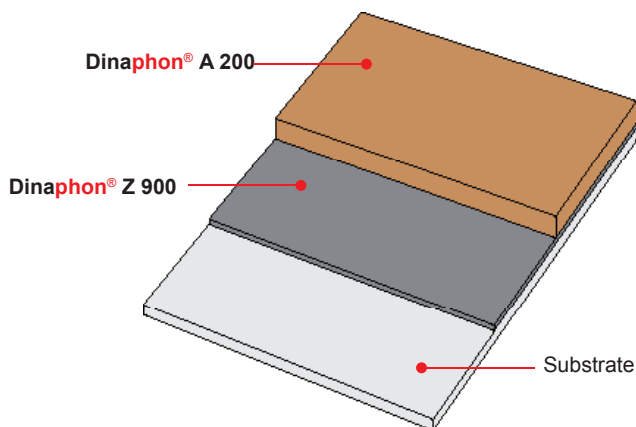


Cross Section



Applications

Dinaphon® A 200 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 200** is usually applied as an additional coat to corrosion protection coats and soundproofing.

Attributes

Dinaphon® A 200 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 200 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 200** 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 200**. Following removal of oil or grease and subsequent cleansing, sheet aluminium requires phosphate priming before **Dinaphon® A 200** is applied.



Technical Data

Product Data	Dinaphon® A 200
Adhesion to primed sheet metal	0.39 N/mm ²
Specific weight:	
At purchase	0.605 g/cm ³
Dry	0.324 g/cm ³
Solids content	31 %
Contraction with drying	20 % of volume
Coverage and drying time:	
Per mm of dry coat without loss	0.683 kg/m ² *
Per mm of wet coat	0.456 kg/m ²
1 mm wet coat = x mm dry coat	0.8 mm
Water absorption (percent by weight)	48.5 % after 24 h
Drying time (normal conditions) for 4 mm coat	96 h
Rated thermal conductivity λ (W/m²K)	0.76
Fire ratings as per DIN 5510Section 2:	
Flammability	S4
Smoke	SR2
Drip	ST2
Fire ratings as per EN 45'545	
Set of requirements R1 / R7 / R 12	HL 2
Heat resistance:	
At 120 °C	3 days
At 170 °C	

* 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:

30 kg tub

Shelf Life

12 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 200 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%

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