

Prime Chemicals-Pakistan

Rack Insulating Compound

**For coating of metals in
hot dip process Use**

Coating of galvanised frames, Electrical bus bars, grids, pipe, clamps, loading hooks, rollers and metals, which are in particular, subjected to electrical, chemical and mechanical stress.

Properties

Resistant to almost all acids, alkalis, salt solutions, degreasing and cleaning agents having very high electrical resistance.

**The following data were determined at 20° C
unless otherwise stated:**

Type:	hot dip paste
Basis:	PVC
Colour:	green (large orders may also be Produced in other shades)
Consistency:	viscous
Density:	1,2 g/ cm ³
Consumption:	approx. 600 g/m ² for 500 μ dry film thickness
Resistance to temperature (continuous stress)	Rack insulating Compound -20° C till +110° C
Shore hardness	Shore hardness A approx. 70 (hard rubber like)
Coating thickness to be obtained (depending on object and temperature)	several millimetres per dipping operation (several dipping operation are possible)
Flash point	-
Danger class marking	not necessary
Storage	dry, at room temperature (not exceeding 35° C)
Storage life	(12 months)

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Processing

Substrates to be coated must be dry, clean, bare down to metal, free from oil and grease, eventually blasted. To obtain a reliable bond between metal and coating and to avoid disbonding or dissolving, a pre-treatment of the substrate with Primer is necessary.

Please confer our special technical information for processing of primer.

Rack insulating Compound is ready for use but in case of high viscosity can be thinned by 2% till 4% of the plastisizer supplied separately.

Material temperature during application is +10°C till +30°C. Demands gentle stirring after prolonged storage.

Do not stir-in any air!

Immediately after stoving of the primer (approx. 20 minutes between 175 °C and 180 °C) metal parts to be coated shall be dipped in still hot condition in to the Rack insulating compound, allowed to gel slightly and stoved after drawing and draining. Dipping should be done quickly; drawing should be done slowly and steadily.

Stoving Conditions

Rack insulating Compound	20-30 minutes at 180 °C
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The stoving time is reckoned from the moment the metal has obtained the specified temperature and depends on the kind of metal and its thickness when applying several coats, then allow each coat to gel slightly for not more than 5 - 10 minutes at 180 °C and have only cured the last coat completely cured. When applying several coats, the parts should be redipped while hot, immediately after removal from the stove. Insufficiently gelling coatings are mat and brittle. Restoving is possible. With complete gelling insulating compound gives a high-gloss finish.

The Insulating compound can be used as plating resist or masking. For using it as plating resist, apply the compound to the area where masking is required by brushing or dipping in cold condition without applying primer. Heat the compounded area in an oven or with hot air for five minutes. The masking can easily be peeled off by finger nails after plating.

Safety precautions

Vapours arising during stoving should be exhausted. Do not inhale for prolonged periods.

This technical information shall advise you to the best of our knowledge. This advice is not binding as there are service conditions possible which we do not know of. We also reserve the right for technical change if the interest of improvements and thus to alter data. This technical information becomes obsolete with the publication of a new edition. Please ask for our special technical advice when having questions.

Agreements and warranties require the written form on principle. Therefore, please ask for a written confirmation of verbal statements.

Guarantee

Our guarantee extends to the continuous quality of our products as they leave our factory and not to their usage in the field. Our technical service will be pleased to answer any question you may have concerning operation and use of our products:

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