

PHENODUR® PR 899/60MPAC

TYPE

Curable phenolic resin

USES

Heat curable phenolic/polyester resin combinations (BADGE free systems). High adhesion, chemically resistant protective coatings for cans, apparatus, vessels and pipelines.

FORM OF DELIVERY (f:o:d)

60% in methoxy propyl acetate (60MPAC)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (Ubbelohde) DIN 53177 dynamic viscosity (23 °C)	[mPa.s]	200 - 1500
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Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 135 °C; 2 g; B)	[%]	58 - 62
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Iodine Colour Number DIN 6162 iodine colour number		<= 80
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm ³]	1,0
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Flash Point DIN EN ISO 1523 flash point approx.	[°C]	32
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PROCESSING

Combinations of Phenodur PR 899/60MPAC with polyester resins have to be stoved for 10 - 20 min. at 190 - 210 °C to be fully cured. The mixing ratio between Phenodur PR 899/60MPAC and the polyester resin should be approx. between 20:80 and 30:70 (calculated as solid resins).

DISTINGUISHING FEATURES

Compared to standard phenolic resins Phenodur PR 899/60MPAC displays an extraordinarily high reactivity when stoved with polyester resins. Phenodur PR 899/60MPAC can be combined with polyester resins that are sensitive towards alcohol containing solvents because it is dissolved solely in methoxy propyl acetate. Furthermore, Phenodur PR 899/60MPAC based coatings show a better resistance against a variety of acids, alkalines, organic solvents and food than other phenolic/polyester resin combinations. When compared to phenolic/epoxy resin systems, the solid content of lacquers based on Phenodur PR 899/60MPAC + polyester resin is significantly higher. Although Phenodur PR 899/60MPAC is designed especially for the combination with polyester resins, it can be combined with standard epoxy resins as well, leading to chemical resistant coatings with high hardness.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

4.0/30.03.2017 (replaces 3.0/17.09.2013)

• Worldwide Contact Info: www.allnex.com •

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