

TYPE

Dispersion based on phenol resol

USES

Binder for coated abrasives, impregnation

FORM OF DELIVERY (f.o.d.)

50 % in water (50WA)

PRODUCT DATA

(related to the day of delivery)

The data are determined by our quality control for each lot (batch) before release.

Determined per batch:

Dynamic Viscosity (Ubbelohde) DIN 53177		
dynamic viscosity [mPa.s]		100 - 500
(23 °C)		

Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter [%]		48 - 52
(1h - 125°C - 2 g n-butanol)		

Not continually determined:

pH-Value DIN ISO 976		
pH-value		9.5
f.o.d, approx.		

PROPERTIES AND USES

PHENODUR VPR 1740 shows a high drying and curing speed because of its dispersion characteristic. On organic and inorganic surfaces PHENODUR VPR 1740 shows good to excellent adhesion normally. Additional additives normally are not necessary to increase adhesion or flow. Air, which is incorporated during mixing can lead to blistering. To reduce blistering the use of defoamer and wetting agent, ADDITOL® VXW 4973 and ADDITOL® XW 395 (0,15 and 0,2% calculated on the mix) is recommended. Formaldehyde emission during processing and in final products of PHENODUR VPR 1740/50WA is very low.

SOLUBILITY

PHENODUR VPR 1740 is not compatible with solvents. Mixes of water with alcohol or ketone can be used. It is possible to resolve dried films by using water or better alkaline water (5% NaOH) which is warmed up.

STORAGE

At temperatures from 15°C to 20°C storage stability packed in original containers amounts standard to 90 days.

The expiration date may be extended and COA updated after QC testing of retained samples, only for material in allnex possession.

At 15 - 20°C PHENODUR VPR 1740 is storable in its original packaging 2 to 3 month. If the resin is stored at 5 - 10°C storage stability will be better then 6 month. End of storability is shown by getting no film when resin is dried. Film building should be tested before use always. If there is a defect high boiling solvents (Texanol) could be helpful.

SAFETY AND HANDLING

Please consult the Safety Data Sheet (SDS) for safety, health, and environmental data available from allnex.