

TYPE

A/F - liquid epoxy resin

SPECIAL PROPERTIES AND USE

Non-crystallizing liquid resin for coatings with high chemical-resistance, adhesives, trowelling, casting and laminating compounds

FORM OF DELIVERY (f.o.d.)

100 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity [mPa.s] 7800 - 11000
(100 1/s; 23 °C)

Iodine Colour Number DIN 6162

iodine colour number <= 5

Not continually determined:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity [mPa.s] 6000 - 8000
(100 1/s; 25 °C)

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³] 1,16
approx.
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point [°C] > 100

DILUTABILITY

special white spirit 100/140	○	methoxypropyl acetate	●
xylene	●	methoxypropanol	●
acetone	●	ethanol	○
methyl ethyl ketone	●	butanol	○
methyl isobutyl ketone	●	isopropanol	○

● = unlimited dilutability
● = substantial dilutability

⊙ = limited dilutability
○ = very limited or no dilutability

COMPATIBILITY

% Beckopox EP 116	90	75	50	25	10
% other binder	10	25	50	75	90

Epoxy resins

Beckopox EP 075	●	●	●	●	●
Beckopox EP 117, EP 128, EP 140	●	●	●	●	●
Beckopox EP 151, EP 147w	●	●	●	●	●
Epoxy type 1, 4	●	●	●	●	●
Epoxy type 7, 9	●	●	●	●	●

Other binders

dibutyl phthalate	●	●	●	●	●
Resamin HF 480	○	○	○	○	○
Novares LA 700	●	●	●	●	●

● = definite compatibility

○ = very limited or no compatibility

SUGGESTED USES AND PROCESSING

Beckopox EP 116 is a solvent-free liquid non-crystallizing epoxy resin. With suited Beckopox hardeners duroplastes with low shrinkage are obtained - they can be used also for coatings with low film thickness.

Important uses are:

- solvent-free coatings,
- glass fibre reinforced low pressure composites,
- highly chemical and abrasion-resistant coatings,
- adhesives and trowelling compounds,
- tool and mould construction as well as casting compounds and laminates for the electrical industry.

Beckopox EP 116 can be used with common pigments and extenders, its application is preferred solvent-free.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

DISTINGUISHING FEATURES

Beckopox EP 116 is a liquid unmodified epoxy resin differing from the standard grade Beckopox EP 140 in that it does not crystallize, has lower viscosity, higher reactivity and somewhat better chemical resistance.

SAFETY AT WORK AND ENVIRONMENTAL PROTECTION

When handling and processing epoxy resins and hardeners, the rules and regulations established by local authorities should be observed. A Material Safety Data Sheet is available on request.

Producer:
Novares LA 700 (RÜTGERS Germany GmbH)