

TYPE

Acidic catalyst

FORM OF DELIVERY (f.o.d.)

Appearance

light to dark reddish coloured, low viscous liquid

SPECIAL PROPERTIES AND USE

CYCAT® XK 406 N is a phosphoric acid derivate. CYCAT® XK 406 N increases the crosslinking speed of heat curing coating systems based on e.g. phenolic/-epoxide resin combinations.

A significant improvement of adhesion properties is often seen in connection with the use of CYCAT® XK 406 N.

Furthermore, the use of CYCAT® XK 406 N often leads to an improved sulphur staining resistance of interior can coating systems based on phenolic/epoxide resin combinations.

PRODUCT DATA

Determined per batch:

Phosphoric acid Content PM 242 content	[%]	8,9 - 9,3
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Iodine Colour Number DIN 6162 iodine colour number		<= 50
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm³]	0,90
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Flash Point DIN EN ISO 1523 flash point approx.	[°C]	22
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COMPATIBILITY

CYCAT® 406 N is compatible with high molecular weight epoxide resins and most resoles used in such combinations. The PHENODUR® grades PR 285 and PR 373 are not compatible with CYC®T XK 406 N.

PROCESSING

For combinations of phenolic- and high molecular weight epoxide resins we recommend to add 2 - 5 % (calculated on solid resin).

Since phenolic resins are often combined with other coating raw materials, one should always find out the optimal content of CYCAT® XK 406 N by trials. Overdosage of CYCAT® XK 406 N has a negative influence onto the storage stability of the lacquers containing it.

STORAGE

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

DISTINGUISHING FEATURES

CYCAT® XK 406 N differs from ADDITOL® XK 406 only in that it does not contain white spirit as solvent.

U.S. Environmental Protection Agency restrictions and requirements

The importation, processing or use of this product in the United States of America is subject to a Significant New Use Rule (SNUR) issued by the U.S. Environmental Protection Agency (US EPA). Among other conditions, the SNUR prohibits the predictable or purposeful release of the product to waters of the U.S. from manufacturing, processing or uses and imposes certain notice and recordkeeping requirements. Please see 40 CFR 721.5905 [or 40 CFR 721.5908 as applicable] for further information. This product may also be subject to export notification under TSCA Sec. 12(b).