

PRELIMINARY PRODUCT INFORMATION

TYPE

Hydroxy-functional polyester

FORM OF DELIVERY (f.o.d.)

75 % in butyl acetate (75BAC)

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

Average hydroxyl content (solid resin)

approx. 6.5 %

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	2500 - 4500
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Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		<= 100
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Acid Value DIN EN ISO 2114

acid value (non volatile matter)	[mg KOH/g]	6 - 10
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Hydroxyl Value DIN EN ISO 4629 (VLN 283)

hydroxyl value (solid matter content)	[mg KOH/g]	200 - 230
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1; 125 °C; 2 g; xylene)	[%]	74 - 76
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Colour / Appearance VLN 250

appearance		clear
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,07
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Flash Point DIN EN ISO 1523

flash point approx.	[°C]	35
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SPECIAL PROPERTIES AND USES

DUROFTAL FC 2828/75BAC, in combination with aliphatic polyisocyanates, produces high quality ultra-high solids 2-pack polyurethane lacquers. Coatings based on DUROFTAL FC 2828/75BAC are characterized by high hardness and gloss, very good chemical and solvent resistance as well as excellent outdoor durability.

STORAGE

At temperatures up to 35 °C storage stability packed in original containers amounts to at least 365 days.

DISTINGUISHING FEATURES

In comparison with DUROFTAL VPI 2803 or SETAL 1603 DUROFTAL FC 2828, if properly catalyzed, shows markedly quicker through-drying and hardness development at ambient or slightly forced drying conditions (40 - 60 °C).

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.