

TYPE

Cobalt free primary drier based on accelerated Manganese

FORM OF DELIVERY (f.o.d.)

Metal content

approx. 1 % Manganese

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.

TENTATIVE PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250

| | | |
|------------|--|-----------------------|
| colour | | brown |
| appearance | | clear to light cloudy |

Dynamic Viscosity DIN EN ISO 3219

| | | |
|---------------------------------------|---------|----------|
| dynamic viscosity (100 1/s; 23 °C) | [mPa.s] | 50 - 200 |
|---------------------------------------|---------|----------|

Refractive Index DIN 53491

| | | |
|-----------------------------|--|--------------------|
| refractive index (20 °C) | | 1,4650 - 1,4750 |
|-----------------------------|--|--------------------|

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

| | | |
|-------------------------------|---------|------|
| density approx. (20 °C) | [g/cm³] | 0,99 |
|-------------------------------|---------|------|

Flash Point DIN EN ISO 1523

| | | |
|-------------|------|------|
| flash point | [°C] | > 94 |
|-------------|------|------|

SPECIAL PROPERTIES

ADDITOL dry CF 103 is a ready to use universal Cobalt replacement drier with excellent compatibility and easy incorporation in solvent borne & water based alkyd stains, natural oils and conventional printing inks. It has outstanding set & through dry performance and allows leveling and substrate wetting without strong wrinkling tendency. The drier comes as solvent-free liquid which allows utilization in areas with high safety measures. ADDITOL dry CF 103 allows long lasting drying performance with strongly reduced "loss of dry" effect.

SUGGESTED USES

ADDITOL dry CF 103 can be used as single Cobalt replacement (primary) drier. It is however recommended to combine with auxiliary driers such as ADDITOL dry CF 200 (Li/Zr) or ADDITOL dry CF 300 (Ba/Zr).

Application fields:

- Solvent borne & water based alkyd paints
- Solvent borne & water based alkyd stains / impregnations
- Natural oils
- Printing inks

PROCESSING

ADDITOL dry CF 103 can be directly added to the paint / ink system at any stage of production.

Dosages of 0.3 to 0.9 %, calculated on solid binder, are recommended for medium solid and waterborne alkyds.

Ultra high solid alkyds require up to 1,3 % calculated on solid binder.

In case of direct Cobalt replacement in existing formulations, ADDITOL dry CF 103 can be used in FOD at same levels as a Cobalt 10 % solution.

SHELF LIFE

Standard Shelf Life is 365 days from the date of manufacturing.
For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.

STORAGE CONDITIONS

The recommended storage temperature of ADDITOL dry CF 103 ranges from 0 to 25°C. Upon long term exposure to temperatures below 10 °C, the viscosity could be strongly increased and ADDITOL dry CF 103 may become cloudy and show some crystallization. These effects are reversible and can be eliminated by warming up the product to 25 - 30 °C for several hours. After this treatment the product can be used without any restrictions.

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.