

Varnish

Damicoat® 2404-02 HFP Red

- High flash point protective coating varnish,
- Highly resistant to chemical agressions
- **Excellent antitracking properties**
- High level of anti fungal protection
- Oustanding behaviour in tropical conditions
- ► Class F varnish

General description

Base: Isophtal Acid Alkyd Resin

Air or oven drying, red-brown pigmented protective coating varnish.

It exists also in grey colour.

Coating varnish with high permanent thermal strength as additional protection against dirt and moisture. e.g.

- Impregnated windings
- Housings and laminations
- · Printed circuit boards

Special characteristics:

- High flexibility of the coating
- Resistance to transformer oil
- · Resistance to moisture
- · Resistance to mould and tropical conditions
- Very good dielectric properties
 High flashpoint, therefore higher safety
- · Free of Xylene and Toluene
- · Drying at room temperature or at higher temperatures

Packaging 1, 5, 20 kg cans, 200 kg drums.

Damicoat 2404-02 HFP can be applied with a spray gun, brush or using the quick dip process. The viscosity can be adjusted according to the application using solvent 9114.

Drying of the varnish in thin layer: 20 - 40 micro.m. (DIN 53150)

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- tack free at 23°C: 5 - 8 h
- can be handled at 23°C: 15 - 20 h
- completely dry at 23°C: 2 - 4 days.
- Surface drying at 70°C: 30 - 60 mn
- Surface drying at 130°C: 10 - 15 mn
- Complete drying at 70°C: 3 - 5 h
- Complete drying at 130°C: 1 - 2 h.
Over-coating ability after drying at 23°C: 1 to 2 days.



| | | Value | Test norm |
|--|---------|---------------------------|-----------------------|
| Physical properties | | | |
| Colour | - | Red Brown | |
| Flash point | °C | 37 | DIN 53213 |
| Density at 23°C | g/cm³ | 1.140 | • |
| Viscosity at 20°C | S | 63 (cup 5) ± 7 | ISO 2431 |
| Solid content | % | 53 (150°C/1g/30mn) ± 2 | DIN 46449 |
| Diluent | | Damidil 9114 | • |
| Viscosity (Brookfield) at 23°C | mPa.s | 200 ± 20 | • |
| Chemical properties | | | |
| Mould resistance | | Very satisfactory | ISO 846-B |
| Water absorption after 96 h in water at 23°C | % | <1 | |
| Stability in transformer oil after drying for 48 h and stored at 23°C | | No influence after 7 days | |
| Stability in transformer oil after drying for 48 h and stored at 105°C | | No influence after 7 days | |
| Electrical properties | | | |
| Dielectric strength (50% R.H./ 23°C) | kV/mm | ≥80 | IEC 464-2 / DIN 46456 |
| Specific resistivity after 24 h 50 % r.h. at 23°C | Ohms.cm | ≥10 Exp 11 | IEC 464-2 / DIN 46456 |
| Specific resistivity after 96 h storage in water at 23°C | Ohms.cm | ≥10 Exp 11 | IEC 464-2 / DIN 46456 |
| Dielectric strength after 24 h storage in water at 23°C | kV/mm | ≥40 | IEC 464-2 / DIN 46456 |
| Dielectric strength after 96 h storage in water at 23°C | kV/mm | ≥30 | IEC 464-2 / DIN 46456 |

Health and safety

. Avoid any contact with skin and eyes,

. Work in a well ventilated area, far from any flame,

. Wear safety gloves and goggles.

Refer to the Material Safety Data Sheet for complet information.

Storage Conditions

Stored at maximum 25°C, the shelf life is 12 months. Higher temperature can be reached during short period of time. Pigmented varnishes tend to settle and require stirring before use.

To prevent a skin forming and loss of solvent, the container must be closed immediately after use.

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