

White Pigmented Resins for Electrical Applications

ELANTAS Europe with production sites in Germany and Italy is part of the division ELANTAS Electrical Insulation of the ALTANA group. As a leading manufacturer of insulating and protective materials for the electrical and electronics industry our portfolio includes wire enamels, impregnating resins and varnishes, casting and potting resins, electronic coatings, adhesives and flexible electrical insulation materials. In addition, we supply materials for other application areas such as special coatings, printed electronic products as well as tooling and composite materials.



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ELANTAS EUROPE S.R.L.
Strada Antolini, 1
43044 Collecchio, Italy
Tel. +39 0521 304777

ELANTAS EUROPE GMBH
Grossmannstr. 105
20539 Hamburg, Germany
Tel. +49 40 789460

ELANTAS EUROPE S.R.L.
Via San Martino,6
15028 Quattordio, Italy
Tel. +39 0131 773870

ELANTAS EUROPE GMBH
Manchester Sales Office
Keate House, 1 Scholar Green Road
Cobra Court
Manchester M32 0TR, United Kingdom
Tel. +44 161 8641689

www.elantas.com/europe · impregnation.elantas.europe@altana.com

Brilliant colour and protection from moisture as well as from environmental impacts guarantee the highest quality and reliability of your ballasts for many years. The broad range of the ELANTAS Europe white pigmented resins meets all your requirements.

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White pigmented impregnation resins from ELANTAS Europe have specifically been developed for the impregnation of ballasts for fluorescent lamps and special small to medium-sized transformers. Due to their very good penetration properties our white pigmented resins also fill the finest gaps of copper coils and thanks to the excellent strengthening of the winding any associated humming noise is being prevented. We guarantee the quality and high reliability of an impregnation with a white pigmented resin from ELANTAS Europe.

Special properties

Innovation and environmental protection are values we are committed to. With our products we offer completely VOC-free white pigmented resins. Therefore we – as well as you as a user – are contributing considerably to reduce organic emissions.

The available product range of our white pigmented resins is the result of a continuous development process and steady improvement. So, today several one and two component systems which are corresponding with your individual application conditions are at your disposal. Due to the high reactivity of our white pigmented resins you can realize short cycle times at curing temperatures from 130 °C and all this with a very good storage stability. Best covering power and optimal edge covering are also well understood as is the good printability of the cured material.

Saving costs

Our white pigmented resins are optimized in order to receive minimal drain and exhaust steam losses. Therefore you are not only reducing the cleaning efforts concerning your ovens but also attaining direct cost advantages.

You can meet the requirements of the VOC guideline with our VOC-free white pigmented resins and forget about a costly retrofit or expensive use of an afterburning system. By abandoning monomers with their low flash points precautions against offensive smell and/or fire prevention can be dropped.

Let us also convince you with our deep knowledge and long-term experience.

Product	Viscosity	Temperature Index	Typical Cure Schedule	Description
Dobeckan® F 2504 E	55 – 65 s ISO Cup 6 mm 23 °C	180	140 °C / 1 h	Two component, unsaturated polyester resin, contains styrene, brilliant white, high covering power, designed for ballasts and transformers. For VI application.
Dobeckan® F 2506 E	50 – 70 s ISO Cup 6 mm 23 °C	180	140 °C / 1 h	Two component, unsaturated polyester resin, contains styrene, brilliant white, low secondary drainage, designed for ballasts and transformers. For VI application.
Dobeckan® F 2507	70 – 90 s ISO Cup 6 mm 23 °C	180	140 °C / 1 h	One Component, unsaturated polyester resins, contains styrene, matt-shiny, very good hiding power, designed for ballasts with and without housings, for VI application.

This is only a selection of our product portfolio, more products are available on request.