

SIRALES[®] PE 7500

PROVISIONAL
PRODUCT
DATA SHEET
RS/185/030601/1

Description

Carboxylated polyester resin suitable for outdoor powder coatings.

Applications

The resin SIRALES[®] PE 7500 is suitable for the production of outdoor powder coatings with b – hydroxyalkylamide hardeners (ratio 95:5). It enables to obtain powder coatings with the following characteristics:

- excellent resistance to weather agents like superdurable systems
- optimal mechanical properties, with a very good flow and gloss;
- very low yellowing even with high temperature curing cycles.

Suggested curing cycles:

(real time) 10 ... 12 minutes at 180°C
15 ... 20 minutes at 160°C

Sales specifications

Property	Value	Unit	Method
Acid number	28 – 36	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI cone plate)	3000 – 7000	MPa.s	SIR 10391
Colour (1)	2 max.	Sc. Gardner	ASTM D 1544

(1) Determined on 50% m/m solution on dimethylformamide.

Typical Properties

Property	Value	Unit	Method
Glass transition temperature (Tg)	55	°C	ASTM D 3418

Supply Form

Product is available as irregular flakes packed in 25 kg Polyethylene bags.

Storage stability

The product should be stored in the original bags kept tightly closed, away from sunshine and heat sources. Under these conditions and at a normal temperature (not more than 25°C) the resin should have a stability of one year.

Safety

The product is not flammable and no toxic effect has been determined.

Further information are provided in the safety data sheet.

SIRALES[®]: SIR INDUSTRIALE registered trade mark.

N.B.: The data given in this brochure do not constitute characteristic properties of the single product.

To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth.

However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the material and their uses.

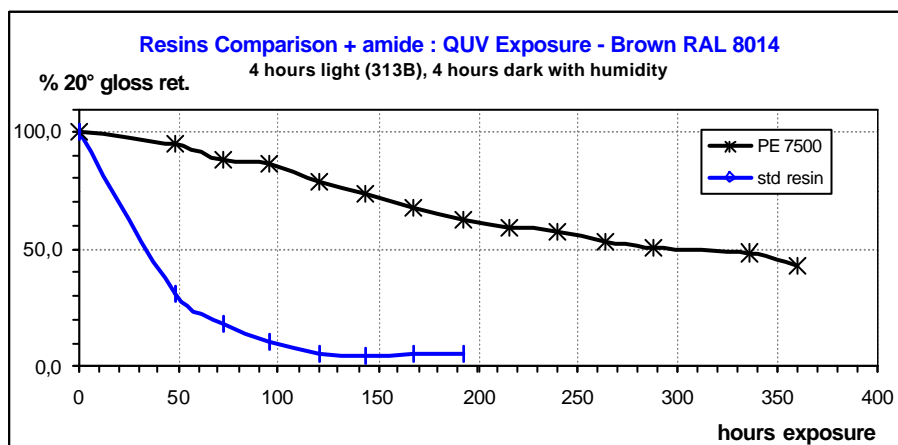
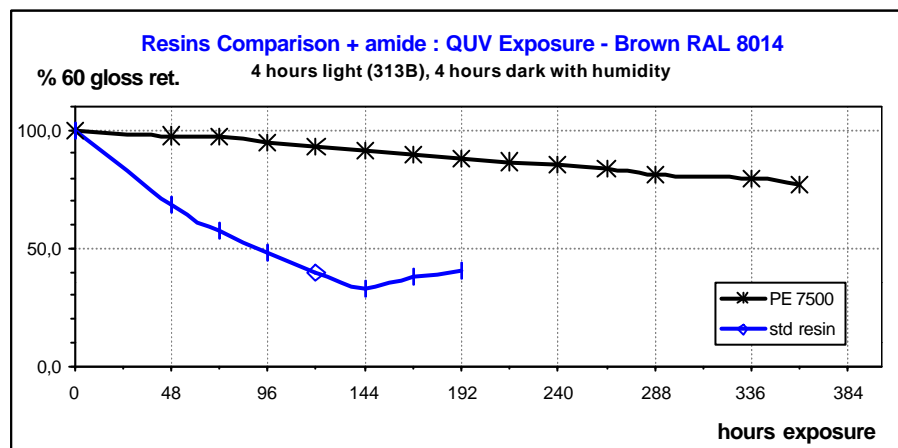
SIRALES[®] PE 7500

PROVISIONAL
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RS/185/030601/2

Accelerated weathering test : Q Panel UV 313B.

Formulation:	pbw
Polyester resin	618
Prosid 411	32
Byk 360/P	12
Benzoin	4
Brown Pigments	50
Barium Sulphate	300

Curing cycle: 15 minutes at 180°C



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