SIRION® VP 1115

PRODUCT DATA SHEET
VP1115/051701

Description
Masterbatch of an antioxidant in carboxylated polyester resin for outdoor.
Experimental product. The specifications could be refined without any notice. In case of any question, please contact our sales department.

Applications
Sirion® VP 1115 is particularly indicated to prevent yellowing of powder coatings during curing in presence of NOx (gas oven). It can easily be dispersed in powder coating pre-mix in a quantity from 1 till 4% of powder coating formulation. The right amount depends from concentration of NOx in gas fumes of the oven.

Sales Specifications

Property	Value	Unit	Method
Aspect	Yellow/brown small flakes (*)		SIR 10010
Melting range	80 … 100	°C	SIR 10000

(*) ageing of material can change colour to light brown.

Typical properties

Property	Value	Unit	Method
Particles size	< 8	mm	SIR 10048
Glass transition temperature(℘)	50	°C	ASTM D 3418

(℘) DSC Series 7 Perkin Elmer, 20 deg/min

Supply Form
Product is available as irregular small flakes packed in 20 kg box.

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

Safety
The product is not flammable. Further information are provided in the relevant safety data sheet.

SIRION®, SIRALES® and PROSID®: 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.

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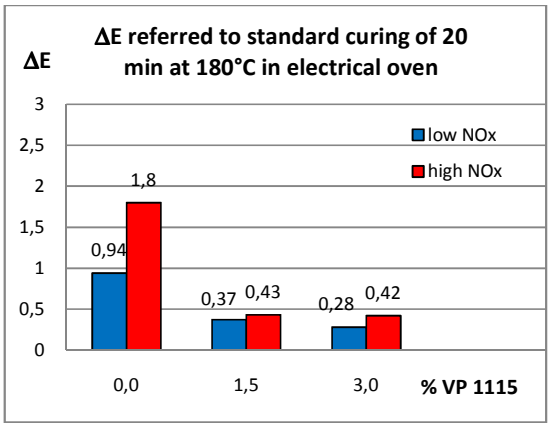
APPLICATION DATAS
VP1115/051701/1

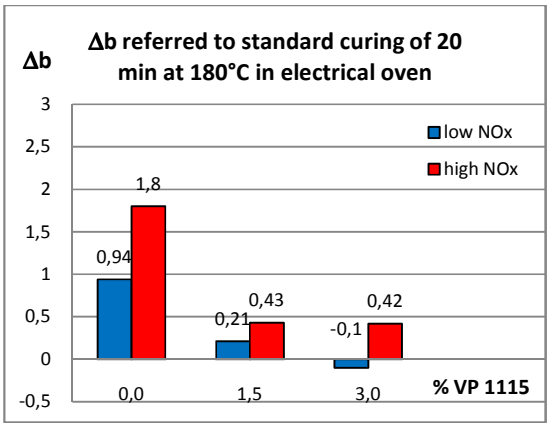
Outdoor powder coating: architectural PT 912 (93:7)

Component	Weight A	Weight B	Weight C
Sirales PE 7901.T	605	590	575
Sirion VP 1115	/	15	30
Araldit PT 912	45	45	45
Benzoin	2	2	2
Flow agent on silica	10	10	10
Titanium dioxide	338	338	338

Simulation of **low NOx** concentration: 0.5 g of sodium nitrite + 1.25 ml of 30% acetic acid in non ventilated electric oven of 60 lt. Curing cycle: 30 minutes at 180°C

Simulation of **high NOx** concentration: 1.0 g of sodium nitrite + 2.5 ml of 30% acetic acid in non ventilated electric oven of 60 lt. Curing cycle: 30 minutes at 180°C





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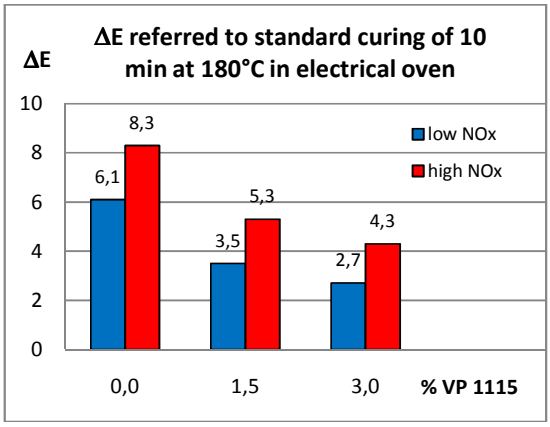
APPLICATION DATAS
VP1115/051701/2

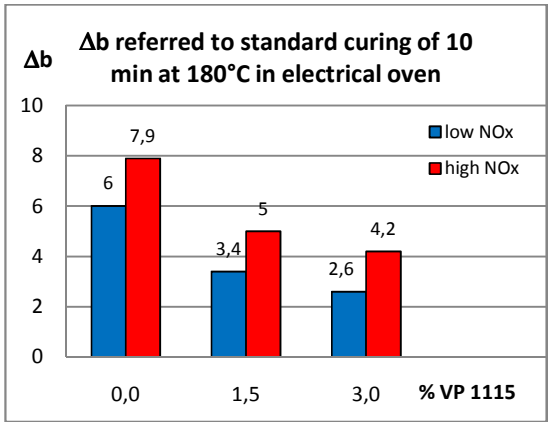
Outdoor powder coating: architectural HAA (95:5)

Component	Weight A	Weight B	Weight C
Sirales PE 7816.T	618	603	588
Sirion VP 1115	/	15	30
HAA (Prosid 411)	32	32	32
Benzoin	2	2	2
Flow agent on silica	10	10	10
Titanium dioxide	338	338	338

Simulation of **low NOx** concentration: 0.5 g of sodium nitrite + 1.25 ml of 30% acetic acid in non ventilated electric oven of 60 lt. Curing cycle: 30 minutes at 180°C

Simulation of **high NOx** concentration: 1.0 g of sodium nitrite + 2.5 ml of 30% acetic acid in non ventilated electric oven of 60 lt. Curing cycle: 30 minutes at 180°C





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