

SIRION[®] VP 1016

PRODUCT DATA
SHEET
VP1016/101903/1

Description

Matting agent for outdoor powder coatings based on triglycidylisocyanurate and hybrids epoxy-polyesters made with EPOSIR 7175, EPOSIR 7168 and EPONAC 825.

Applications

The matting agent SIRION[®] VP 1016 is suitable to obtain high matt powder coatings without change the mechanical characteristic and the ageing of the hardened films. It has to be added before extruding during the pre-mixing of the fillers/pigments with the resins and the hardeners. The right quantity depends on the desired matting properties and, in any case, it has to be not higher than 6 ... 7%.

Sales Specification

Property	Value	Unit	Method
Aspect	light yellow powder		SIR 10010
Melting range	105 ... 117	°C	SIR 10000 (ASTM E 324)

Typical properties

Property	Value	Unit	Method
Particles size	< 2	mm	SIR 10048

Supply Form

Product is available as coarse powder.

Storage stability

The product should be stored in the original bags kept tightly closed, away from sunshine and heat sources and at a temperature between 2 – 40°C. Under these conditions the product should have a stability of two years.

Safety

The product is not flammable and no toxic effect has been determined.
Further information are provided in the relevant safety data sheet.

SIRION[®], EPOSIR[®] and EPONAC[®] : 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
VP1016/061102/1

Outdoor powder coating

Components	A	B
Sirales PE 7112.T	570	570
Araldit PT 810	30	30
Byk 360/P	8	8
Benzoin	4	4
Titanium dioxide Kronos 2310	378	368
Sirion VP 1016	10	20

Curing cycle: 15 min at 200°C

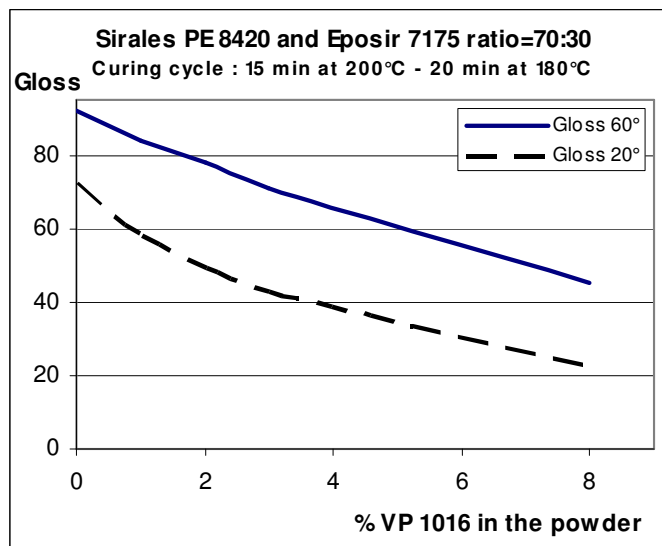
Gloss 60°	40	30
Gloss 20°	10	6
Impact front/rev	>99 / >99	>99 / >99

Curing cycle: 20 min at 180°C

Gloss 60°	38	32
Gloss 20°	10	8
Impact front/rev	>99 / >99	>99 / >99

Epoxy-polyester powder coating

Components	P.b.w.
Sirales PE 8420	420
Eposir 7175 PG	180
Acrylic flow agent	6
Benzoin	5
Titanium dioxide Kronos 2310	300
Blanc Fixe Super F	100
Sirion VP 1016	See diagram



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