

# SIRION<sup>®</sup> VP 1110

PRODUCT DATA  
SHEET  
VP1110/040603

## Description

Accelerator for powder coatings.

## Applications

The accelerator SIRION<sup>®</sup> VP 1110 allow to increase the reactivity of hybrids, polyester/TGIC and polyester/epoxy esters. It can easily be dispersed in powder coating pre-mix and allow to maintains the weather resistance of outdoor polyester coatings. It do not cause fumes or unpleasant smell at the normal curing temperatures of powder coatings.

## Recommended quantity (%) calculated on the polyester resin of the powder.

System	Curing temperature	Curing temperature
	200°C	140°C
Hybrid	2	15
Polyester/TGIC	1	8
Polyester/Epoxy ester	1	10

## Sales Specifications

Property	Value	Unit	Method
Aspect	white coarse powder		SIR 10010
Melting range	80 ... 100	°C	SIR 10000

## Typical properties

Property	Value	Unit	Method
Particles size	< 2	mm	SIR 10048
Glass transition temperature <sup>(p)</sup>	60	°C	ASTM D 3418

(<sup>p</sup>) DSC Series 7 Perkin Elmer, 20 deg/min

## 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 not higher than 25°C. Under these conditions the product 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 relevant safety data sheet.

SIRION<sup>®</sup>: 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.

# SIRION<sup>®</sup> VP 1110

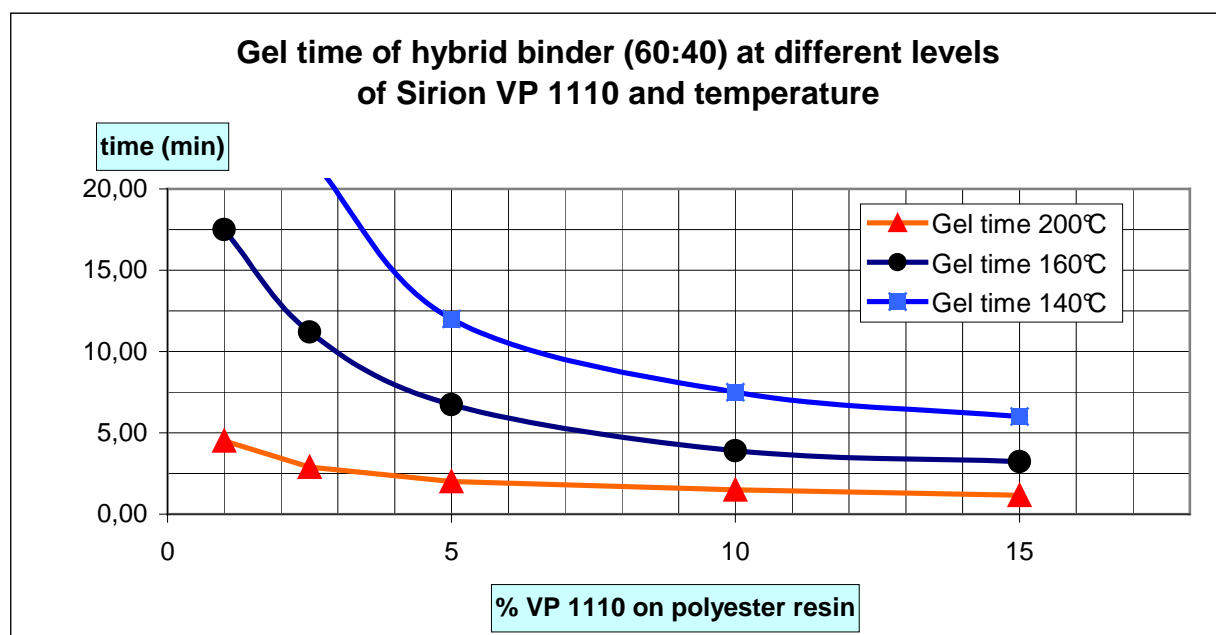
APPLICATION DATA  
VP1110/030102/1

## Influence on the Gel time of SIRION<sup>®</sup> VP 1110 in an epoxypolyester binder

Polyester resin	60
SIRION <sup>®</sup> VP 1110	as percent of polyester resin
Epoxy resin	40

Polyester: SIRALES<sup>®</sup> PE 8253 : trimellitic anhydride capped resin with an acid number of about 50 mg KOH/gr and without internal accelerators;

Epoxy: EPOSIR<sup>®</sup> 7178 PG : type 3 epoxy resin with an epoxy equivalent weight of about 800.



SIRION<sup>®</sup>: 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.