

# PROSID<sup>®</sup> H50A

PRODUCT DATA  
SHEET  
PROVISIONAL  
PROSID H50A/021101/1

## Description

Masterbatch with 50% of polyester resin and hardener based on  $\beta$ -hydroxyalkylamide (Patent pending) suitable for the formulation of outdoor powder coatings.

## Applications

The hardener Prosid<sup>®</sup> H50A allow to get, in combination with carboxylated polyester resins, powder coatings with a very high outdoor resistance.

The quantity to be used is twice in comparison with the pure hardener: instead of a ratio POLYESTER:HARDENER (pure) of 95:5 is necessary to use a ratio POLYESTER: PROSID H50A of 90:10.

The molecular functionality (3.5 on average) improve the degassing of the water coming from the reaction avoiding, in that way, superficial imperfections even in high thickness applications.

The masterbatch is easy handling and grants a very good dispersion during the extrusion of the powder coatings.

## Sales specifications

Property	Value	Unit	Method
Melting range (capillary)	80 ... 100	°C	SIR 10000
Acid Number	15 ... 20	mg KOH/gr	SIR 10328

## Typical properties

Property	Value	Unit	Method
Appearance	white flakes		SIR 10010
OH equivalent weight	170 ... 180	g/eq	calculated

## Supply Form

Product is available as powder packed in 20 kg paper boxes.

## 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 (25°C) 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.

PROSID<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.