



Revision: 10.11.2025 Page 1 of 1

#### Carboxyl Terminated Polyester Resin.

Delivery form: pale granules.

ALBECOR  $^{\text{TM}}$  1590 is despatched from our Sant'Albano Stura - Italy production plant.

For further information regarding this product please refer to:

Synthomer Specialty Resins

Phone: +39 0172 658111

eMail: infopowder@synthomer.com

Property	Typical Value	Unit	Method <sup>1</sup>
Acid value	46 - 52	mg KOH/g	Synt. 13/89
Viscosity @200°C (ICI C&P)	3000 - 5000	m Pascal • s	Synt. 21/90
Colour (50% solution)	2 max	Gardner	Synt. 42/93
Other Properties			
Glass transition temper. (Tg)	approx. 57	°C	Synt. 43/93

<sup>1</sup> internal method based upon the specified norm

# **Application Advice**

ALBECOR<sup>TM</sup> 1590 resin is designed for low temperature curing applications starting from 140°C, in 93:7 ß-HAA ratio. It combines very good reactivity along with excellent weathering and blooming resistance. Possible uses are on parts of heavy mass, ACE, heart moving equipment, temperature sensitive substrates or fast curing applications. ALBECOR<sup>TM</sup> 1590 resin is suitable for GSB Florida 1 year and Qualicoat Class 1 approvals.

#### Starting Formula:

ALBECOR™ 1590	604
ß-HAA	46
Ti dioxide	286
Barium Sulphate	50
Flow Agent <sup>2</sup> Benzoin	10
Benzoin	4
	1000

<sup>&</sup>lt;sup>2</sup>66% active matter.

Baking Schedule:

ALBECOR<sup>TM</sup> 1590 resin can reach full cure, depending on formulation and substrate, starting from 25-30 minutes at 140°C (object temperature).

## **Shipping and Storage**

ALBECOR<sup>TM</sup> 1590 resin should be stored in the original, undamaged and unopened containers in a dry place at temperatures between 5 and 30°C. Exposure to direct sunlight should be avoided. Under these conditions, the shelf life of this product is 1 (one) year from the date of delivery. Based on experience, the resin proved stable for an additional 3 (three) years.

### **Product Safety**

Before handling please read the Safety Data Sheet of this product for advice on safety, use and disposal.

Disclaimer: This information or data and any other advice or recommendations given or made by us (collectively "Information") are not intended to, nor do they, constitute professional advice or services. Information is provided "AS IS" and on an "AS AVAILABLE" basis and without warranty. We do not warrant or accept responsibility for the accuracy, timeliness or completeness of the Information or data or its suitability of a particular purpose. Synthomer makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Synthomer disclaims (i) any and all liability arising out of the application or use of any product (including as to infringement of third party intellectual property rights), (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability. Any Information concerning any possible use or application of Synthomer products is given by us in good faith and it is entirely for you to satisfy yourself fully as to the suitability of Synthomer products for any particular purpose. Synthomer products are sold in accordance with Synthomer's standard terms and conditions of sale which are available from www.synthomer.com/tc.