

**For some, UV Radiation
evokes fear.**

**FOR EVONIK, IT EVOKED SUPER-DURABLE
DYNAPOL®**

DYNAPOL®





SUPER DURABLE DYNAPOL®

Super Durable DYNAPOL® was designed by Evonik for exterior architecture pre-coated metal finishes. The DYNAPOL® polyester resins as well as the DYNAPOL® UB one-pack polyurethane systems offer superior UV resistance and weatherability as binders for coil coating top coats, they provide high gloss retention and excellent chalking, color fade and dirt pick up resistance.

Several grades are available that supply reactivity, flow properties, metal adhesion and well balanced

flexibility / hardness properties to meet every requirement and they are backed up by Evonik's excellent reputation for quality and focused technical support.

Standard polyester coatings, at the lower end of weathering resistance, usually last up to around 5–10 years without chalking or color fading. PVDF coatings, at the very high end of weathering resistance in terms of both performance and costs, are usually able to survive up to more than 20 years of weathering. Standard polyester and PVDF systems are therefore playing in

different leagues, leaving a large gap between them.

Evonik designed Super Durable DYNAPOL® paint binders for exterior architectural coil coating top coats to fill this gap.

Their outstanding performance is the base for safety and reliability when used for wall claddings, roofing, garage doors, blinds, window frames, air condition devices, gutters and any other exterior application you can imagine.

ROOFING SYSTEMS

Prepainted metal for the roofing industry is growing by leaps and bounds. Current commercial applications help prove that fact to a growing residential market. Exposed to UV radiation, humidity, acid rain and other weather variables, metal roofs coated with Super Durable DYNAPOL® is durable and stand the test of time.



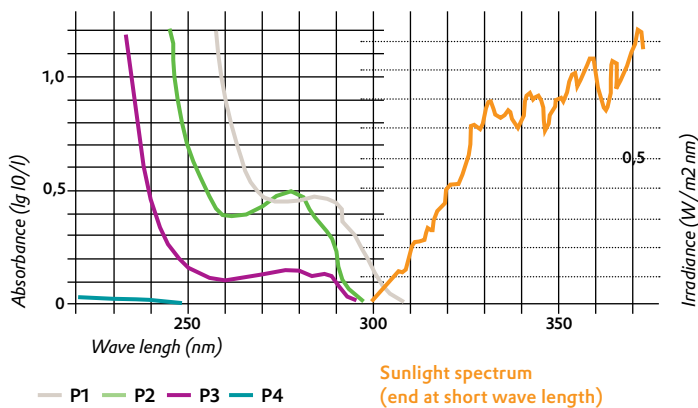
SUPER DURABLE POLYESTER PAINT BINDERS FIT FOR FUTURE NEAR-INFRARED COIL-COATING TECHNOLOGIES

With DYNAPOL® paint binders our customers will be able to join into latest, ultra modern Coil Coating technologies. Ongoing new developments and constant modifications of our commercial polyester resins as well as intensive

application engineering, using state of the art lab equipment are fundamental key points for Evoniks success being a top player in NIR-Coil-Coatings-Technology. Our thoroughly evaluated primer and top coat paint formulations

for architectural steel and aluminium applications, together with our well recognized expertise in NIR-Technology can be your step into future business.

UV – Characteristics Of Polyester Resins



Together with the entire DYNAPOL® product line, our customers are able to choose the polyester resin grades that meet their business needs. From special primer resins to super durable exterior architectural systems, there is a wide variety of coil coating paint binders that combine excellent flexibility, hardness, substrate adhesion, corrosion resistance and, of course outstanding weatherability.

Florida Test

Judge for yourself: These pictures of Florida weathering test results prove the outstanding weatherability of Super Durable DYNAPOL®. Even after 5 years in the burning sun and sweltering humidity, there is no color fading or chalking.



EVONIK RESOURCE EFFICIENCY GMBH

Paul-Baumann-Straße 1
45764 Marl
Germany

Phone +49 2365 49-4843
Fax +49 2365 49-5030
dynapol@evonik.com
www.dynapol.com

**EVONIK SPECIALTY CHEMICALS
(SHANGHAI) CO., LTD.**

55 Chundong Road,
Xinzhuang Industry Park,
Shanghai 201108
P.R. China

Phone +86 21 6119-1028
Fax +86 21 6119-1254

EVONIK CORPORATION

Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054
USA

Phone +1 973 929-8924
Fax +1 973 929-8440

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipient of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

CONTACT US

Picture credits:
Evonik Industries AG, ThyssenKrupp AG,
Novelis Deutschland GmbH