

Enhancing your Automotive Refinish Coatings

Part 3: Base coat



Automotive Refinish Coatings: Base Coat

Base coats are spray-applied by pneumatic spray-guns. Their function is to provide color, hiding, appearance and weather resistance to the finished vehicle. Color matching

with the original OEM finish is an important property for refinish basecoats. Base coats can be either solventborne or waterborne.

Evonik Coating Additives for special properties

Intercoat Adhesion	TEGO® Addbond DS 1300 TEGO® Addbond LP 1600	SB WB
Substrate wetting and defect control	DYNOL™ 607 TEGO® Glide 496 <small>NEW</small>	SB WB
Flow & Leveling	TEGO® Wet 270 TEGO® Flow 300	SB WB
Foam control/prevention of pinholes and popping	AIRASE® 8070 TEGO® Airex 990	SB WB
Dispersion and stabilization of pigments and fillers	TEGO® Dispers 752 W TEGO® Dispers 670	SB WB
Rheology control	AERODISP® WF 7620 <small>NEW</small> AEROSIL® R 805	SB WB



i [Click here for more information!](#)

TEGO® Dispers 752 W for Improved Transparency with Iron Oxide Pigments



The correct dispersant selection gives best color development, transparency and formulation stability.

- Transparent iron oxide
- Binder-free pigment
- Paste in a waterborne base coat



Reference

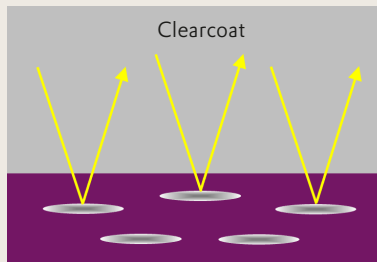


TEGO® Dispers 752 W

ACEMATT® OK 412 for Controlled Disorientation of Metallic Flakes



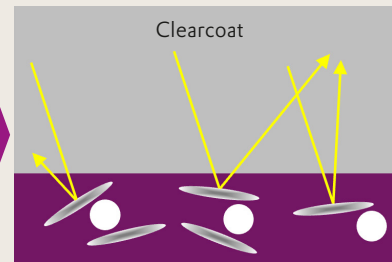
- Wax treated, precipitated silica
- Metallic solventborne base coat
- Use to adjust flake orientation by acting as spacer



Metallic solventborne base coat

Without Silica

More uniform specular reflection leads to high flop, hiding and brilliance



Metallic solventborne base coat

ACEMATT® OK 412

Disordered reflection reduces flop to enable color matching

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients 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, NONINFRINGEMENT, 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. ACEMATT®, ADDID®, AEROSIL®, AIRASE®, ALBIDUR®, CARBOWET®, DYNOL™, NANOCRYL®, SILIKOFTAL®, SILIKOPHEN®, SILIKOPON®, SILIKOPUR®, SILIKOTOP®, SIPERNAT®, SURFYNOL®, TEGO®, TEGOMER® and ZETASPERSE® are registered trademarks of Evonik Industries or its subsidiaries. Evonik supports you in selecting the best suited product and optimizing current formulations through our Application Technology Group.

EVONIK OPERATIONS GMBH
 Goldschmidtstraße 100
 45127 Essen
 Germany
 Phone +49 201 173-2222
 Fax +49 201 173-1939
 coating-additives@evonik.com
 www.coating-additives.com