



ADCOTE™ 35D9

Description ADCOTE™ 35D9 primer is a chemical resistant, vinyl primer for aluminum foil or heat seal coating for aluminum foil or paper applications.

Coatings made from ADCOTE™ 35D9 primer have excellent adhesion to aluminum foil and paper and form strong bonds to foil and polyvinyl chloride.

ADCOTE™ 35D9 primer provides excellent chemical resistance and improved anchorage of heat seal coatings when used as a wash coat or primer on aluminum foil. A primer coating weight of 0.5 - 1.0 lb/ ream will protect the foil from corrosion and improve the adhesion on vinyl and EVA-based heat seal coatings.

When used as a heat seal coating, ADCOTE™ 35D9 will provide excellent adhesion of itself, aluminum foil or PVC. A dry coating weight of 1.5 - 4.0 lb/ ream is recommended for these applications.

Typical Applications ADCOTE 35D9 vinyl primer is a suitable vinyl wash coat.
Heat seal coating

Suggested Substrates Aluminium foil, converter grade.
Paper.
Polyvinyl chloride (PVC).
Other types of laminates are possible and should be tested.

Typical Physical Properties	Nominal Value	Unit
Solids Content	30	%
Viscosity (25°C)	500	mPa·s
Weight/Gallon	7.60	lb
Volatile Solvent	Acetone	
Wet Appearance	• Liquid • Slightly Amber	
Minimum Heat Seal Activation Temperature	121 to 149	°C

Recommended Processing Guidelines

- Stir well before use to insure uniformity.
- Dilute the product to be able to apply a very low coating weight.

General Comments

Dow's Technical Service is ready to supply assistance in regards to the correct use of our products.
Interaction may occur with other components of the structure. Inks, retained solvents from any source, substrates, additives, coatings and the packed product are some of the components that may cause a property change of the total structure.
Before regular production, the end user is responsible to verify the suitability and performance properties of the total construction for the intended end use application, including the suitability of the process, construction and components.

Recommended Application Weight

Apply 0.8 to 6.5 g/m² dry, depending on substrate, printing and application.

Drying Guidelines

Cool the coated material down below 40°C to avoid blocking in the reel or sheet stack.
Dry properly with sufficient amount of heated air at adjusted temperature range of 60 to 100°C to evaporate water at given production speed.

Suggested Application and Operating Guidelines	Nominal Value	Unit
Application Method	Gravure	
Application Solids Percent Range	15 to 30	%
Recommended Dilution Solvent	Methyl Ethyl Ketone	
Dry Applied Weight Range	1 to 7	g/m ²
Drying Web Temperature	121 to 177	°C
Rewind Temperature	< 38	°C
Cleaning Solvent	Methyl Ethyl Ketone	

Suggested Cleanup Guidelines

A proper cleaning procedure should be implemented and practiced as part of the machine operation.
After finishing production, the equipment should be cleaned immediately with room temperature flushing water.
Harder, dried deposits should be cleaned with solvent like Methyl Ethyl Ketone or Ethyl Acetate.

Storage and Shelf Life Guidelines

The expiry date of each product is the date reported on the label of the package.
The product may be stored up to stated expiry date provided that the product is stored in a dry and cool, well ventilated place between 5 - 35°C (41 - 95°F) unopened in the original shipping container.
WARNING: Keep product materials away from freezing temperatures. Material will become unusable or may precipitate.

FDA and/or European Food Contact Compliance

Due to the evolving nature of European and FDA food contact compliances, please contact Dow's Customer Information Group for the most up to date food contact compliance information. Call 800-258-2436 or use the web form at Dow.com for complete FDA and European food contact statements available.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

Product Stewardship

The Dow Chemical Company and its subsidiaries ("Dow") has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

Medical Applications Policy

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours;
- use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

Disclaimer

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, the Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Dow assumes no obligation or liability for the information in this document. **NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

NOTICE: If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Dow to change specifications and/or discontinue production; and (4) although Dow may from time to time provide samples of such products, Dow is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

NOTICE: This data is based on information Dow believes to be reliable, as demonstrated in controlled laboratory testing. They are offered in good faith, but without guarantee, as conditions and method of use of Dow products are beyond Dow's control. Dow recommends that the prospective user determine the suitability of these materials and suggestions before adopting them on a commercial scale.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability for the accuracy and completeness of such information.

Additional Information

North America		Europe/Middle East	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
Latin America		South Africa	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	Asia Pacific	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

www.dow.com

This document is intended for use within Asia Pacific, Latin America, North America

Published:

© 2020 The Dow Chemical Company

