



Technical Data Sheet

ADCOTE™ 37P295BW

Heat Seal Coating

Regional Product Availability

North America and Latin America

Description

ADCOTE™ 37P295BW is a water-based dispersion that is based on high molecular weight ethylene interpolymers. ADCOTE™ 37P295BW is formulated to provide good clarity, broad FDA compliance, and low supplied viscosity.

ADCOTE™ 37P295BW is suggested for use as a heat seal coating, pigment binder, laminating adhesive, primer, or as a formulating base to produce other functional coatings. It is formulated to seal polyester, both treated and untreated polyethylene, polypropylene films, aluminum foil, and PVDC-coated glassine paper.

Typical Applications

Binding Resin
Blending or modifying resin
Primer
For food packaging, medical packaging, and industrial applications
Good heat seal to bonds and paper board, sealed to itself or to various films
Heat Seal Coating
Low Temperature Heat Seal

Suggested Substrates

- Aluminum Foil
- Metallized Films
- Paper
- PET
- PvdC
- PE
- PP

Typical Physical Properties

Property	ADCOTE™ 37P295BW
Solids Content (%)	39.0 – 42.5
Viscosity (mPa·s at 25 °C)	50 - 175
Weight/Gallon (lb)	8.20
Volatile Solvent	Water/Isopropyl Alcohol
pH	9.0 – 11.0
Appearance	Off White, liquid

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

Safety Information

Material Safety Data Sheets (MSDS) are available for all Dow products. These sheets contain important information that you may need to protect your employees and customers against any known health and safety hazards associated with our products. We recommend that you obtain copies of our MSDS from your local Dow technical representative before using our products in your facilities. We also suggest that you contact your suppliers of other materials recommended for use with our products for appropriate health and safety precautions before using them.

Recommended Processing Guidelines

Stir well before use to ensure uniformity.

This is a water based dispersion, be careful to minimize foam generation during application.

Material can be used as supplied and if lower solids are desired dilute with deionized water/isopropyl alcohol with a blend of the two as one-to-one.

To ensure optimal block-resistant properties, be sure that the coated substrate is properly dried and cooled over a chill roll to room temperature prior to subsequent rewind or sheeting operations.

Blocking properties will be affected if not properly dried or rewind temperature of web is too high. Cool the material down below 100°F to avoid blocking in the reel or sheet stack.

Recommended Application Weight

Apply 2.0 to 4.0 lb/ream (3.3 – 6.5 g/m²) depending on substrate and application

Recommended Operating Conditions

- Application Method: Gravure or Meyer Rod
- Drying Web Temperature 160 - 220°F (depending on substrate application)
- Rewind Temperature <100°F
- Recommended Dilution Solvent: Deionized Water or Deionized Water/Isopropyl Alcohol (1:1)
- Minimum Heat Seal Activation Temperature 160 - 250°F

Cleanup Guidelines

A proper cleaning procedure should be implemented and practiced as part of machine operation.

After finishing production, the equipment should be cleaned immediately with room temperature flushing water.

Storage Guidelines

The shelf life of ADCOTE™ 37P295BW is reported on the label of the package. This data is valid if the product is stored in a dry and cool place (50-100°F) closed in the original container.

Open drums should be used up on the same day after opening.

Keep product materials away from freezing temperatures. Material will become unstable and precipitate out and coagulate.

Food Legislation

For the most up to date information on compliance with food contact legislation, please contact Dow's Customer service at <https://www.dow.com/en-us/contact>

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.

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.

Medical Applications Policy

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.**

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.**

Disclaimer

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.

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

This document is intended for use within North America and Latin America.

Published: 2023-11-02

© 2023 The Dow Chemical Company

