



ADCOTE™ 3840D

Description ADCOTE™ 3840D is a solution coating based on an amorphous High Molecular Weight polyester. It provides excellent adhesion to most plastic and metal surfaces, and can be used as a primer, heat seal coating, binding resin or ink vehicle base. This product's performance can be further enhanced by using recommended coreactants.

Typical Applications Binding resin.
Heat seal coating
Other application uses are possible, subject to performance trials and testing.
Primer

Typical Physical Properties	Coating Unit
Component Type	OH
Solids Content	40 %
Viscosity (25°C)	5300 mPa·s
Density	9.60 g/cm³
Volatile Solvent	1,3-Dioxolane
Mix Ratio by Weight (PBW)	100

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

Recommended Processing Guidelines

The product can be diluted to the desired solid content with urethane grade solvents like: Methyl Ethyl Ketone (MEK), Ethyl Acetate (EAc), Acetone.

General Comments

Dow's Technical Service is ready to supply assistance in regards to the correct use of our products.

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.

Alcohol and similar materials containing active hydrogen can react with this adhesive causing inadequate cure and unexpected performance.

Recommended Application Weight

Apply 2.0 to 15.0 g/m² dry, depending on substrate, printing and application.

Curing Time

The curing process is normally completed 7.0 to 14.0 day after lamination at and may be influenced by the type of film used, applied weight and by the storage conditions.

Approximate Pot Life

Do not mix more adhesive with Catalyst or Coreactant than will be used in 8.0 hr.

Suggested Application and Operating Guidelines

Suggested Application and Operating Guidelines	Coating Unit
Recommended Dilution Solvent	<ul style="list-style-type: none"> Methyl Ethyl Ketone Toluene
Dry Applied Weight Range	3 to 10 g/m²
Lamination Glue Line Temperature	> 132 °C

Suggested Cleanup Guidelines

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

After finishing work, the equipment should be cleaned immediately with organic solvents like ketone or acetate, or similar organic solvents before the product's cure progresses too far.

Storage and Shelf Life Guidelines

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 10 to 40°C unopened in the original shipping container.

Disposal

Dispose in accordance with all local, state (provincial) or federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) or federal regulations. Contact your Dow Technical Representative for more information.

Notes

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

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For additional information, not covered by the content of this document, contact us via our web site http://www.dow.com/products_services/.

Additional Information

North America

U.S. & Canada:

1-800-441-4369

1-989-832-1426

Mexico:

+1-800-441-4369

Europe/Middle East

+800-3694-6367

+31-11567-2626

Italy:

+800-783-825

Latin America

Argentina:

+54-11-4319-0100

Brazil:

+55-11-5188-9000

Colombia:

+57-1-219-6000

Mexico:

+52-55-5201-4700

South Africa

+800-99-5078

Asia Pacific

+800-7776-7776

+603-7965-5392

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