



ADCOTE™ HS 33-216

Description ADCOTE™ HS 33-216 is an ambient liquid, heat seal coating. It is formulated to eliminate the need to pre-melt the drums and the need to heat for application requirements.

ADCOTE™ HS 33-216 is a room temperature applied fluid heat seal coating designed for application on solvent-stable substrates, such as polyester, oriented polypropylene films, laminated polyethylene structures, aluminum foil, and paper. ADCOTE™ HS 33-216 permits subsequent heat sealing to a variety of substrates, including aluminum foil, paper, and plastics such as polyester, polyethylene, polystyrene, polyvinyl chloride, and polypropylene.

Coatings based on ADCOTE™ HS 33-216 are slightly hazy, have good blocking resistance, and good hot tack properties.

ADCOTE™ HS 33-216 is specifically recommended as a heat-activated coating for polyethylene and polypropylene containers.

Typical Applications Coffee pouches.
Heat seal coating
When good blocking resistance, and good hot tack properties are needed.

Suggested Substrates Aluminium foil, converter grade.
Paper.
Polyester (PET).
Polystyrene (PS).
Polyvinyl chloride (PVC).
Treated polyethylene (PE), (minimum 38 dyne/cm).
Treated polypropylene (PP), (minimum 38 dyne/cm).

Typical Physical Properties	Nominal Value	Unit
Solids Content	20	%
Viscosity (25°C)	100 to 400	mPa·s
Weight/Gallon	7.00	lb
Volatile Solvent	<ul style="list-style-type: none"> • Normal Propyl Acetate • Shellsol WHT • VMP Naphtha 	
Wet Appearance	<ul style="list-style-type: none"> • Clear to Hazy • Colourless to Slightly Yellow 	

Recommended Processing Guidelines

Stir well before use to insure uniformity.

General Comments

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

Suggested Mixing Instructions

Mix contents of container thoroughly before use and dilute if necessary to the desired application solids.

Recommended Application Weight

Apply 4.9 to 8.1 g/m² dry, depending on substrate and application.

Drying Guidelines

Use sufficient temperature and air velocity to assure complete solvent removal during drying. Oven temperatures in the range of 82-121°C (180-250°F) are generally suitable.

Suggested Application and Operating Guidelines	Nominal Value	Unit
Application Method	<ul style="list-style-type: none"> • Gravure • Smooth Roll 	
Recommended Dilution Solvent	<ul style="list-style-type: none"> • Normal Propyl Acetate • VMP Naphtha 	
Application Temperature	20 to 40	°C

Suggested Application and Operating Guidelines	Nominal Value	Unit
Rewind Temperature	32	°C
Suggested Cleanup Guidelines		
<p>A proper cleaning procedure should be implemented and practiced as part of the machine operation.</p> <p>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.</p>		
Storage and Shelf Life Guidelines		
<p>The expiry date of each product is the date reported on the label of the package.</p> <p>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.</p> <p>Protect from freezing. Product will become unusable.</p>		
European Food Legislation		
Due to the evolving nature of European and local food legislations, please contact us at https://www.dow.com/en-us/contact , for food contact status.		

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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