



OPTI-MATT™ AD-20A Duller

Aqueous Dulling Agent for Automotive/Furniture Leather Topcoats

Regional Product Availability

- Asia Pacific
- Europe, Middle East and Africa
- Latin America
- North America

Description

OPTI-MATT™ AD-20A is an aqueous dispersion of a proprietary organic/inorganic matting agent blend in a hydroxyl functional acrylic emulsion. The combination takes advantage of the excellent performance features attributed to the organic dulling agent; such as dulling efficiency, clarity, soft touch, and burnishing resistance while maintaining the favorable properties of our traditional silica-filled dulling agents. The combination of these two complimentary dulling technologies offers an excellent balance of performance and aesthetic features.

OPTI-MATT™ AD-20A nicely compliments Dow's existing family of dulling agents, including OPTI-MATT™ UD-4 Duller and HYDRHOLAC™ UD-2 Dispersion, utilizing Dow's advanced dulling technology.

OPTI-MATT™ AD-20A is supplied as a medium-viscosity liquid that is easy to handle and formulate. As with many dulling agents, it is best to stir the product prior to use and minimize extended storage conditions.

Key Features

Key applications and physical properties of topcoats formulated with OPTI-MATT™ AD-20A:

- Low gloss (60° gloss values of 0.8 at use levels of 400 parts/1000 total)
- Excellent clarity and jetness
- Pleasant aesthetics
- Less squeak or noise
- Burnish/polishing resistance (wet and dry)
- Wear performance equal to or better than silica-filled dulling agents
- Improved UV resistance

Typical Physical Properties

(These properties are typical but do not constitute specifications.)

Property	Value
Appearance	Milky/translucent liquid
Solids content, %	23.0–26.0
pH	8.0–9.5
Specific gravity	1.06
Density, gram/liter	1.054 gram/liter
Ionic Charge	Anionic
Viscosity, cP	200–1500

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and 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) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.

Product Stewardship

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

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- 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.

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