Approvals and conformities

Ball Aerospace & Technologies	BMS29.98
BOEING	52841092, 9M03235/AttachA, BMS10-90, D290-75502-22C, MB0125-080, SCGMS56016, STM0724
Cincinatti Electronics	635907-1
CYTEC SOLVEY	LMS 11953
HONEYWELL	P8251333
ILC Dover	ST41P1218
ITT, Space Systems	561454
LOCKHEED MARTIN	LAC-37-4462-002, MAP-CK10787-1000, STM40601
NORTHROP GRUMMAN	53825TW
Raytheon	HMS15-2135
Collins Aerospace (formerly Rockwell Collins)	KB0125005

Aeroglaze® A276 coating is a reflective, moisture-curing polyurethane coating designed for product finishing applications on substrates used in aircraft and aerospace applications. Aeroglaze A276 coating cures to a high gloss white finish.

Features & Benefits

- **Low Outgassing:** exhibits low gassing properties in high vacuum environments.
- **Chemically Resistant:** cures to a hard surface that is resistant to most acids, alkaline detergents, lubricants and chemicals.
- **Color Retention:** provides excellent colorfast, non-chalking finish.

DIRECTIONS FOR USE

Surface Preparation

Thoroughly clean surfaces to remove all dust, oil and grease. For most substrates, apply primer to ensure proper adhesion and performance of the coating. Contact your SOCOMORE representative for recommended Aeroglaze primer required for your application.

Application

Apply coating by spray methods, or by brush to small areas. Aeroglaze A276 coating is best applied at

socomore www.socomore.com

Asia +86 21 5813 1133 Europe Middle East Africa +33 (0)2 97 63 05 01 North America +1 (817) 335-1826 South America +55 11 96660-7169

13-35°C (55-95°F), with substrate temperatures at least 2.8°C (5°F) above the dew point.

Spraying
Apply coating using HVLP spray equipment. Dilute coating with 10-25% Aeroglaze 9958 thinner, by volume. Hold the gun at right angles to the surface, approximately 20.3-30.5 cm (8-12 in) away, and apply with a 50% overlap.

Brushing
If necessary, use a brush to touch-up small areas. Add up to 5% of Aeroglaze 9958 thinner to facilitate application properties.

Depending on surface characteristics, the optimum dry film thickness of Aeroglaze A276 coating should be 38.1-50.8 micron (1.5-2.0 mil). Wet film thicknesses above 127 micron (5 mil) can cause bubbling and sagging. Coverage rate is 7.4-9.8 m2/L (300-400 ft2/gal).

Curing
Aeroglaze A276 coating cures by reacting with moisture in the air. Cure rate is dependent on the temperature, relative humidity and amount of air circulation needed to remove the solvent.

Under the acceptable curing conditions, the coating will develop its ultimate properties in approximately 14 days. Lower temperatures and humidities will retard cure, while higher temperatures and humidities may cause bubbling.

Aeroglaze A276 coating may be recoated after the first application within 4 hours minimum and 24 hours maximum. Recoat time is dependent on temperature and humidity. High temperature and humidity promote fast cure while low temperature and humidity slow down the cure. In high temperature and high humidity conditions, recoat within 8 hours to prevent intercoat adhesion failure.

If the maximum recoat time is exceeded, the surface must be roughened by sanding with fine sandpaper before recoating.

Cleanup
Use Aeroglaze 9958 thinner to clean equipment. Do not use lacquer thinners, water or solvents containing alcohols.

TECHNICAL CHARACTERISTICS

Typical Properties*

Property	Value
Appearance	White Liquid
Viscosity, cps @ 25°C (77°F), ASTM D 2196-86, Brookfield LVT	100-400
Density, ASTM D 1475-85	1.12-1.17 kg/L (9.37-9.77 lb/gal)
Solids Content by Weight, ASTM D 2369-87 modified	54-58%
Flash Point (Seta), ASTM D 3278-82, Closed Cup	19°C (67°F)
Volatile Organic Content (VOC) ASTM D 3960-87	503 g/L (4.2 lb/gal)

Outgassing** ASTM E 595-77	0.99% TML***, 0.08% CVCM****
Solar Absorptivity, Gier-Dunkle Integrating Sphere	0.23

** Data is typical and not to be used for specification purposes.*
*** 15 day cure at room temperature, 24 hours at 50°C (122°F).*
**** Total Mass Loss*
***** Collected Volatile Condensable Materials*

PRECAUTIONS FOR USE AND STORAGE

Shelf life is one year from date of shipment when stored in original, unopened container. Store indoors away from heat, sparks and open flames. To maintain product freshness, keep container closed when not in use and nitrogen purge after opening if possible.

Before using this or any SOCOMORE product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Limitations

- Not for immersion service. Do not apply to wet or damp substrates.
- Aeroglaze A276 coating contains aliphatic isocyanate monomer. Spray only in properly ventilated areas with specified respiratory protection.

Manufactured for SOCOMORE by: LORD Corporation, Saegertown, PA

This technical data sheet replaces and cancels the previous one.