



REMR MATERIAL DATA SHEET CM-SE-1.6

CONCRETE COATING: CHEMGLAZE A487

1. NAME

Chemglaze A487

2. MANUFACTURER

Lord Corporation
 2000 West Grandview Blvd.
 PO Box 10038
 Erie, PA 16514-0038
 Telephone: 814-868-3611

3. DESCRIPTION

Aliphatic moisture-curing, single-package polyurethane.

4. USES

Chemglaze A-Line coatings may be used for exterior or interior industrial maintenance and product finishing where corrosion resistance and excellent long-term protection are important.

5. MANUFACTURER'S TECHNICAL DATA

Color	Medium gray
Percent solid	
by weight	50
by volume	38.6
Theoretical coverage	
sq ft/gal/mil	615
Viscosity, centipoises	250
lb/gal	9.00
Flash point	
(Closed Cup), ° F	78

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Chemglaze A-Line coatings may be applied via most methods of spraying, by brush, or with a lamb's wool applicator. In addition, the major products have been modified for roller application.

Coverage (estimated): 300 to 400 sq ft/gal for 1.5 to 2.0 dry mils, depending on porosity, roughness of surface, and product color. Note: Dry film thicknesses of 2.0 mils maximum must be employed to avoid bubbling.

Temperature: A-Line products are best applied between ambient temperatures of 55° F (13° C) and 95° F (35° C). The substrate temperature must be at least 5° F above the dew point.

Recoat time: Three or four hours minimum at room temperature 77° F (25° C) when adequate humidity and good air circulation are available. For maximum intercoat adhesion, recoat within 24 hr. The use of a catalyst or heat will shorten recoat times. Further data are available on temperature and humidity requirements to cure Chemglaze polyurethane coatings on a psychrometric chart.

Cure time: A-Line coatings are tack free in 2 hr and dry hard in 12 hr under 77° F and 50-percent relative humidity conditions. Room temperature cures of 24 hr permit light use. The coatings are usually suitable for normal use in 48 to 72 hr but continue to develop full properties for the following 3 weeks. At cool temperatures

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(below 60° F) or low humidities (below 40 percent), the addition of a catalyst may be required, and at higher temperatures (above 85° F), the addition of slow solvents may be needed.

7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid

(ASTM D 1644, Method A): 52.0%

Percent water absorption

(ambient temperature) (ASTM C 642):

1 day	0.06%
2 days	0.08%
4 days	0.10%
7 days	0.14%

Ratio of percent water absorption for treated to nontreated specimen (2-day submersion): 1.70%

Percent water transmission:

2 days	0.22%
4 days	0.42%
7 days	1.73%

Ratio of percent water transmission for treated to nontreated specimen (7-day diffusion): 49.0%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of coating activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental

quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

Available throughout the United States and 50 countries worldwide through more than 20 agents and licensees. For more information or costs, call 814-868-3611 or write to Lord Corporation, Chemical Products Group, 2000 West Grandview Blvd., PO Box 10038, Erie, PA 16514-0038.

10. TECHNICAL SERVICE

Information on technical service can be obtained by writing the manufacturer at the address given in item 2 or calling 814-868-3611.