



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

THEMECOAT™ 205

*Two Component, Arcylic Aliphatic
Matte Finish Topcoat
Technical Data Sheet*

DESCRIPTION

Themecoat™ 205 is an UV resistant plural component, 1:3, solvent based, quick curing, liquid applied, aliphatic polyurethane topcoat. It is designed to provide a high level of UV protection.

FEATURES

- ❖Excellent Water Resistance ❖Excellent Weathering
- ❖Protects from Color Change
- ❖Refinish Previously Applied Topcoats

TYPICAL USES

- ❖Finish coat over Themecoat™ Hard Coat Systems
- ❖Decorations
- ❖Architectural Shapes

COLOR

Neutral.

PACKAGING

4 gallon kit: One 1 gallon (3.78 liter) can of Part-A and three 1 gallon (3.78 liter) cans of Part-B, each containing 1 gallon.

SURFACE PREPARATION

Remove all contaminant, oil and grease from substrate.

MIXING

The volume mixing ratio for Themecoat™ 205 is 1 part Part-A to 3 parts Part-B .

Themecoat™ 205 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand. Once the components are thoroughly mixed together, wait for at least 10-15 minutes before beginning application.

APPLICATION

Themecoat™ 205 should be applied at the rate of 1 gallon per 300 sq. ft. (0.135 liters/m²). It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Start applying the topcoat on the vertical surfaces/sides first from top to bottom and then the horizontal surfaces/floors to have an even uniform application.

A normal application requires two coats. A third coat may be necessary for maximum protection. Proper care should be taken to ensure complete coverage of each coat without voids or pinholes. If applied too thick, the coating may bubble.

Allow Themecoat™ 205 to dry completely. Normal cure time is 4-8 hours. Lower temperatures will extend cure time.

TECHNICAL DATA

Coverage Rate	1 gal/350 ft ² 0.143 l/m ²
Mix Ratio by Volume	1A : 3B
Pot Life, 75°F(24°C), 50% R.H.	6 hours
Tack Free Time, 80°F (27°C)	30-40 minutes
Recoat Time, 80°F (27°C)	1-8 hours
Viscosity, 75°F (24°C), Brookfield, Part-A & B Combined	100 ± 50 cps
Pencil Hardness	2 H
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Total Solids by Weight, ASTM D-2369 ...	38.9%
Total Solids by Volume, ASTM D-2697 ..	34.1%
Volatile Organic Compounds, ASTM D-2369-81	5 lb/gal 600 gm/liter
Flexibility, D-1757 1/8" Mandrel Bend Test	Passes
Accelerate Weathering.....	No Cracking, Chalks or Loss of Property after 2000 hours

STORAGE

Themecoat™ 205 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

Part-A and Part-B must be stored above 60°F (15°C).

Avoid freezing temperatures.

Store containers on wooden pallets to avoid direct contact with the ground.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Themecoat™ 205 is difficult to clean up after it has cured.

Do not dilute under any circumstance.

WARNING

This product contains Isocyanate.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.