

POLYGLASS PMMA

LIQUID-APPLIED
WATERPROOFING SYSTEMS



WHAT IS PMMA?

A proven cost-effective and highly durable alternative, Polyglass' innovative PMMA products offer versatile solutions to conventional waterproofing materials. These long-term, cold-applied systems provide maximum safety and efficiency as the next generation of liquid-applied roofing and waterproofing technology.

The diverse range of Polyglass PMMA system solutions are suitable for most waterproofing and surfacing needs including low-slope roofs, terraces, plaza decks, balconies, green roofs/walls, mechanical room floors, below-grade waterproofing and more.

FEATURES & BENEFITS

- Seamless and monolithic
- Fast curing
- Self terminating; conforms and bonds directly to the substrate
- Durable long-term protection
- Highly UV and chemical resistant
- Flexible, even at low temperatures
- Minimal installation disruption

POLYGLASS PMMA ROOF SYSTEM SELECTION GUIDE

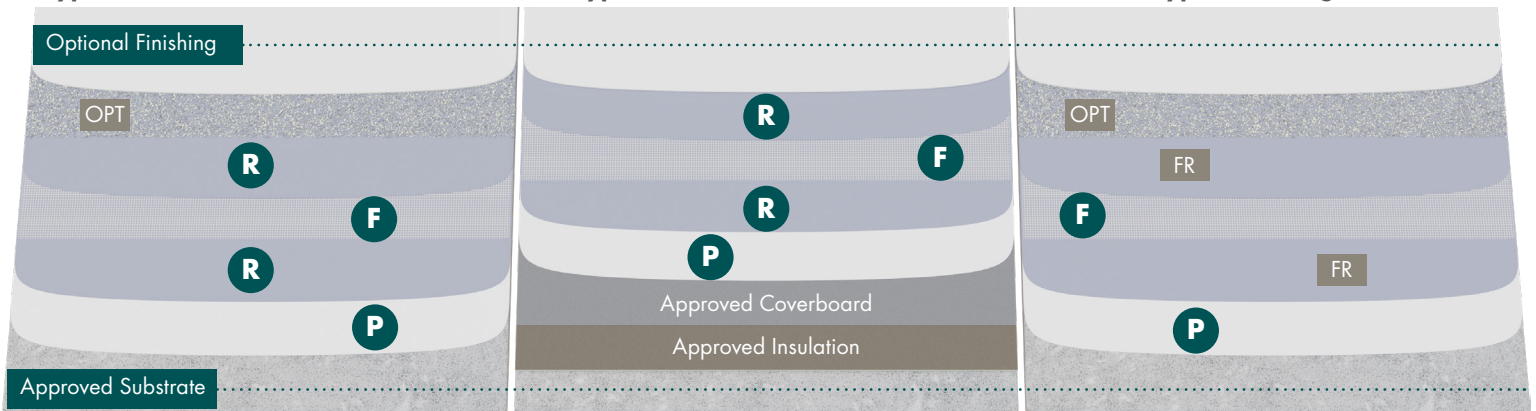
This guide is provided to assist in selecting an appropriate Polyglass PMMA System for specific applications. Refer to the relevant sections of Polyglass literature and specifications regarding detailed qualifications or restrictions of individual Polyglass products or systems.

Application	PMMA Resin	PMMA Flashing	PMMA Reinforced Flashing	PMMA Concrete and Wood Primer	PMMA Flexible Primer	PMMA Filler	PMMA Mortar
Asphalt, Asphalt Bitumen	✓	✓	✓		✓		
Roofing Felt (all)	✓	✓	✓		✓		
SBS Modified Bitumen (Smooth, Granulated)	✓	✓	✓		✓		
APP Modified Bitumen (Granulated)	✓	✓	✓		✓		
Concrete, Masonry, Brick	✓	✓	✓	✓	✓	✓	✓
Wood	✓	✓	✓	✓	✓	✓	✓
PVC Single-Ply	✓	✓	✓		✓		

Typical Roof Membrane/Deck Membrane

Typical Insulated Roof Membrane

Typical Flashing



R = Resin

P = Primer

OPT = Optional Surfacing

F = Fabric / Polyester Reinforcement

FR = Flashing Resin

POLYGLASS PMMA PRODUCTS

CATALYST

Polyglass PMMA Catalyst Powder

A reactive agent used to initiate curing of Polyglass PMMA products.

PRIMERS

Polyglass PMMA Flexible Primer (Roof)

A high-performance two-component, rapid-curing, resin primer. It promotes the adhesion of the Polyglass PMMA Resin over granulated asphalt-based substrates, concrete, exterior grade plywood, cement board, and wood.

- Stain blocker
- Adhesion promoter

Polyglass PMMA Concrete and Wood Primer (Deck)

A high-performance two-component, rapid-curing, resin primer. It promotes the adhesion of the Polyglass PMMA Resin over concrete, exterior grade plywood and masonry.

- Adhesive promoter

RESIN

Polyglass PMMA Resin

A high performance two-component, fast-curing resin used in roofing and waterproofing membranes. Polyglass PMMA liquid applied resins are simple and easy to use and can conform to even the most complicated conditions and details. Polyglass PMMA Resin handles normal building movement and is a low maintenance alternative to traditional waterproofing.

- Self Flashing
- Provides some resistance to early rain exposure
- UV resistant
- Offers high tensile strength and elongation properties
- Resistant to dirt pick-up and is fungal and algal resistant
- Low VOC and non-flammable

FLASHING

Polyglass PMMA Flashing

A high performance two-component, fast-curing flashing compound used in roofing and waterproofing applications.

Polyglass PMMA Reinforced Flashing

A high performance two component, rapid-curing, flexible resin with integral chopped polymer fiber reinforcement for flashing and repair. This product is used to form a reinforced membrane for flashing and repairs where fabric reinforced membranes would be difficult or impossible to install. For use over most roof systems, concrete, cement boards and plywood.

ACCESSORIES

Polyglass PMMA Filler

A high performance two-component, rapid-curing, flexible acrylic thixotropic resin. It is used for horizontal and vertical leveling, patching and repairs to substrates in conjunction with Polyglass non-traffic bearing membrane system applications.

FABRIC

Polyglass PMMA Polyester Reinforcement

Used in Polyglass cold fluid-applied reinforced membrane systems to improve tear strength, puncture resistance, and crack bridging capabilities while maintaining membrane uniformity.

SURFACE FINISH

Polyglass PMMA HTT Surface Finish

Polyglass PMMA High Traffic Textured (HTT) Surface Finish is a high performance, rapid-curing, flexible, methacrylate resin with a pre-mixed aggregate, designed for pedestrian and/or vehicular traffic. It can be applied as a non-reinforced liquid applied surfacing material or as the trafficable surface coat over a reinforced PMMA Waterproofing System.

Polyglass PMMA LTS Surface Finish

Polyglass PMMA Light Traffic Smooth (LTS) Surface Finish is a high performance, rapid-curing, flexible, methacrylate resin designed for pedestrian traffic only*. It can be applied as a non-reinforced liquid applied surfacing material or as the trafficable surface coat over a reinforced PMMA Waterproofing System.

*For vehicular traffic, use PMMA HTT Surface Finish.

CATALYST GUIDELINES

This table provides recommendations regarding the percentage of catalyst which should be added to Polyglass PMMA Resins. Improper storage or aged product may cause the catalyst to lose potency and/or effectiveness, so applications using less than 2% catalyst is not recommended. Resin, substrate and air temperature, as well as air movement, wind chill, and the applied resin layer thickness should also be taken into account.

Optimal curing requires the catalyst to be completely dissolved, stirring a minimum of 2 minutes.

Reference the individual Polyglass PMMA Product Data Sheets for additional requirements and recommended product specific application temperatures.

Polyglass PMMA Products	AMBIENT TEMPERATURE °F (°C) / POLYGLASS PMMA CATALYST POWDER (% RATIO CATALYST TO PRODUCT WEIGHT)							
Standard Grade Resins	37.4 (3)	41 (5)	50 (10)	59 (15)	68 (20)	77 (25)	86 (30)	95 (35)
PMMA Resin	4	4	4	2	2	2	2	2
PMMA Concrete/Wood Primer	6	6	4	4	2	2	2	2
PMMA Filler	6	6	4	4	2	2	2	2
PMMA Flashing	4	4	4	2	2	2	2	2
PMMA Flexible Primer	6	6	4	4	2	2	2	2
PMMA Reinforced Flashing	6	6	4	4	2	2	2	2
PMMA Mortar	2	2	2	1.33	1.33	0.66	0.66	0.66
PMMA LTS Surface Finish	4	4	4	3	3	2	2	2
PMMA HTT Surface Finish	4	4	4	3	3	2	2	2
Winter Grade Resins	37.4 (3)	41 (5)	50 (10)	59 (15)	68 (20)			
PMMA Resin	4	4	4	2	2			
PMMA Flashing	6	4	4	2	2			

■ Normal recommended product application temperature range

Contact Polyglass Technical Department at (866) 794-9659, about using outside recommended product application temperature range and using less than 2% catalyst.



POLYGLASS U.S.A., Inc.
 1111 West Newport Center Drive
 Deerfield Beach, FL 33442
 pgmarketing@polyglass.com
 Customer Service: (800) 222-9782
polyglass.us

© 2023 Polyglass U.S.A., Inc. All rights reserved.

All information printed is accurate at the time of publication and may change at any time with or without notice. For the most up to date information and data, please visit our website at polyglass.us.