

POLYGLASS ROOF COATINGS

- Solutions for any roof
- Backed by a multi national company
- Largest manufacturer of modified in the US
- Family owned
- Meets and exceeds all CRRC requirements



Adds value!

Acrylics

- Polyglass USA offers a selection of acrylics ranging from Good, Better and Best.
- Advantages of acrylics, they are easy to apply, water clean up, they do not require special equipment.
- Coatings for Foam Substrates
 - PG24
 - PG700
 - PB70
 - PB76 Basecoat
- Coatings for Non-foam Substrates
 - PG24
 - PG700
 - PB70
 - PB76 Basecoat



Adds value!

Why use an Acrylic?

◆ Advantages

- Best Value for UV Resistance
- Water Based, not flammable, meets all VOC rules
- Universal - Adhesion to all substrates
- Easy repairs/ shelf stable
- Breathable –
 - ◆ Permeance 5.0 – 10.0
 - ◆ A benefit in most maintenance applications
- ASTM D-6083 is a strong standard
- Can achieve FM-Severe Hail Resistance

◆ Limitations...

- Water Based Cure Limitations
 - ◆ Can Freeze
 - ◆ Will cure slower or faster dependent on humidity – which can look like a “reversion.”
 - ◆ Subject to “wash-offs”
- Severe Ponding Water
- Specialty grades needed for:
 - ◆ TPO (primer)
 - ◆ Blocking Asphaltic Bleed Through
 - ◆ Plasticizer Migration (PVC)
 - ◆ Adhesion to PUF
- Requires tapes, caps, and fabrics for most restorations



Adds value!

Silicone

- Solvent Based
 - High Solids pure elastomeric silicone
 - Requires high pressure spray equipment (3 gallons per minute, 3500 PSI)
 - Complies with UL, FM, Energy Star, CRRC, LEED & Title 24, VOC compliant in most of California
 - 5, 10, 15 and 20 Year Standard and System Warranties
- High Solids
 - 98% Solids pure elastomeric silicone
 - Requires high pressure spray equipment (3 gallons per minute, 3500 PSI)
 - Complies with UL, FM, Energy Star, CRRC, LEED & Title 24. VOC compliant throughout California
 - 5, 10, 15 and 20 Year Standard and System Warranties
- Silicones are very good under ponding water and do not support biological growth. High solids means less labor.



Adds value!

When do I want A Silicone?

◆ Advantages

- ◆ Best UV Resistance, need less
 - One Component , Fast Cure & Wash-Off Resistant
 - Severe Ponding Water
 - Very Breathable –
 - ◆ Permeance >5.0
 - ◆ A benefit in most maintenance applications
 - ASTM D-6694 is a strong standard
 - Good Adhesion to Single-Ply and PUF
 - Best Resistance to Biological Growth
 - Low VOC version available

◆ Limitations...

- Solvent based
 - ◆ Flash Point; Shipping rules; HVAC shut down
 - ◆ Requires big spray rigs
- Short Shelf Life:
 - ◆ Loses adhesion over time (6 months), need fresh material for repairs
- Weak
 - ◆ Most have moderate Hail rating.
 - ◆ Requires tapes, caps, and fabrics for most restorations
- Absorbs Asphalt oils—needs primer
- Attracts Dirt
- Must recoat with Silicone



Adds value!

Matching the Application to the Coating

- ◆ A D-6083 Acrylic is the “Go-To” solution
 - Great value and great flexibility
 - Avoid buying “roof paint” – typically applied over 40 mils; certifications are important
 - Be aware of needed primers and specialty grades – they are not all the same.
 - Manufactures often employ specific combinations for a specific substrate
 - Need extra Biocide for tropic
- ◆ An Acrylic/Fabric system will match a Urethanes toughness
- ◆ A D-6694 Silicone is best choice for challenging weather over some substrates
- ◆ Asphalt Emulsion useful for heavily “alligatored” roofs
 - Use with fabric on interface to bond Acrylic



Adds value!

What Polyglass USA Coatings offers you:

- Review of your potential projects
- Competitive pricing
- Specifications, with multiple options
- Solutions for the toughest roof
- Customer Service that is 2nd to none



Adds value!

Polyglass Roof Coatings video