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WATERPROOFING MATERIALS AND INSULATING SYSTEMS

POLYGLASS / **Q**

 MAPEI
GROUP

Technical Bulletin

Date: September 25, 2010

To: Polyglass Sales and Technical Departments

Fr: James Arnold, PE, RRO – Technical Services Manager

Re: Closed Attic Systems and Related Insulation Systems

Polyglass USA has been made aware of several roof installations in which Polyglass underlayment products are being applied over attics that contain a closed ventilation system and specialized insulation materials. In addition, Polyglass USA is being requested to approve such insulation system configurations up to and including an indemnification of any potential effects it could have on Polyglass underlayment products.

Please be advised Polyglass neither approves nor disapproves of such Closed Attic Systems and Related Insulation Systems. Polyglass manufactures roofing products in accordance with ASTM 1970 for Self-Adhered Polymer Modified Sheet Material used as Steep Roofing Underlayment for Ice Dam Protection. Since Polyglass has no knowledge of the Attic Design, Insulation System, or Ventilation Requirements of these project scopes unrelated to roofing, we will not bear any responsibility for their ability to be properly designed or function accordingly.

Please refer to the Polyglass Technical Bulletin refereeing to “Acceptable Self-Adhering Surfaces” for proper installation on the roof deck.

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Acceptable Self-Adhering Surfaces

Date: October 19, 2009 (Revised)
To: Sales and Technical Departments
Fr: Rand McReynolds
Re: Acceptable Self-Adhering Surfaces

The following are Polyglass guidelines for the uses of Polyglass "ADESO" Self-Adhered membranes, to include The Polystick Family of products. Please consult your Polyglass Technical Representative when concerns arise.

Acceptable substrates for self-adhered applications:

- Polyisocyanurate
- Asphalt impregnated, Six-sided Woodfiber Board
- Primed Structural Concrete
- Primed, Metal or Metallic surfaces (Aluminum coating)
- NEW Plywood Decking (Non-Treated) or Primed Existing Plywood (Non-Treated). Joints must be taped on low slope (unsupported) deck applications. (When in doubt, prime) *
- DensDeck Prime <MUST STILL BE FIELD PRIMED >
- DensDeck DuraGuard
- USG Securock
- Hal's Asphalt Recovery Board

- ZIP System Roof Sheathing
- Polyglass Elastobase Poly/Sand – Base sheet, mechanically attached, heat welded or set in hot asphalt.
- Polyglass Elastoflex SA V Base – Base sheet, self adhered
- EPS – Refer to UL Approvals for UL Classified Applications. (2" and 2 lb density or greater). *Please note: When applying to EPS in severe warm weather (85 degrees plus), Polyglass REQUIRES same day application of the Adeso components. (Same day application of Elastoflex SA V, one or two plies and Elastoflex SA P or Polyflex SA P).*
- ASTM D-226 30# Felts, if properly attached. Typical pattern – 9" oc in seams, 2-rows staggered in field at 12" oc. Consult Technical Support for varying substrates.

Non-acceptable substrates:

- Perlite
- Foil faced ISO
- Fan-fold – EPS boards
- Duraboard (contact Technical Support regarding recover boards)
- Non-coated woodfiber board
- DensDeck RoofBoard (un-primed)
- Sand or aggregate surfaced base sheets (i.e. ASTM D 4601 G2 Base or ASTM D 2178 Glass Fiber Ply)
- Extruded Polystyrene
- 15# felts
- Lightweight Insulating Concrete (nailable)
- Treated Plywood decking material

NOTE:

For Plank and Tongue & Groove installations, an approved mechanically attached base sheet is required.

Asphalt primer must be Polyglass PG 100 ASTM D-41 Asphalt Primer, or approved equal ASTM D-41 Asphalt Primer.

Water Based Acrylic Primer can be used for many priming circumstances and is preferred on vertical priming conditions. Polyglass WB3000.

Adhesive & Sealants must be Polyglass POLYPLUS 50 (SBS Asphalt Adhesive/Sealant) or approved equal SBS Premium Modified Trowel Grade Asphalt Adhesive.

All surfaces to which self-adhesive membrane are to be applied to must be clean, dry and free of dust or other debris.