1. PRODUCT NAME
#721 HD-SL

2. MANUFACTURER
Polygem, Inc.
1105 Carolina Drive
West Chicago, IL. 60185
Telephone: (630) 231-5600
FAX: (630) 231-5604
Internet: www.polygem.com

3. PRODUCT DESCRIPTION
Polygem’s #721 HD-SL is a three-component, self-priming, self-leveling EPC, 100% solids epoxy moisture insensitive system. It becomes a monolithic part of existing substrate.

Uses
Any Environment that needs a flat, level highly durable substrate.

Advantages
• NO VOC’s – 100% Solids formula
• Moisture-insensitive formula
• Excellent Impact Properties
• Excellent Strength Properties
• Self-Leveraging
• Curable down to 40°F
• Complies with USDA, FDA, OSHA, ADA

4. APPLICATION INSTRUCTIONS
Pre-mix each component. Place one part component “B” into component “A” and mix for 1 minute. Add 1 bag specialized aggregate, mix completely, pour out complete mix in ribbon, gauge rake and spike roll.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for 12 months. - Keep from Freezing

Packaging —
Self-Leveling Kit: 60ft² at 1/8" in or 40 ft² at 3/16”
Neat Top Coat: 10 Mils (160m2/5gal)

Cautions
Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Safety Data Sheet for full listing protective requirements.

#721- HD-SL may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
For professional use only.
Keep out of reach of children.

5. TECHNICAL DATA
Performance Properties @ 73F., 50% R.H.
Test/Test Method Results
Viscosity, cps Flow-able EPC
Color 8 Standard Colors
Pot Life, minutes 30 Minutes minutes
Consistency Self Leveling
Tack-Free Time, hours
40°F 11-12
73°F 6-7
90°F 5-6
Tensile Properties (ASTM D638) 7 Days
Tensile Strength 8,400psi
Elongation at Break 8%
Flexural Properties (ASTM D790) 7 Days
Flexural Strength 16,800psi
Tangent Modulus of Elasticity 530,00psi
Slant Shear Strength (ASTM C882) 7 days
Temp Value Mode of Failure
50°F 4,000psi 100% Concrete Failure
90°F 4,200psi 100% Concrete Failure
Compressive Strength (ASTM D695) 7 days
Temp/Value/8 hours/1day/7days
50°F 3,500/10,000/12,700psi
73°F 6,000/10,200/12,900psi
90°F 9,300/10,400/13,000psi
Compressive Strength (ASTM C579) 7 days
EPC 11,500psi
Hardness (Indentation-ASTM D 2240)
Neat epoxy, 7 day cure, Durometer, Shore D 80
Adhesion to Concrete (Tensile Pull-ACI 503R)
EPC, 7 day cure, 400psi, 100% concrete failure
Abrasion Resistance (Taber-ASTM D 4060)
EPC, 7 day cure, 1,000 cycles, 1,000g. load, Wheel No.17, Loss 0.047.9g
Water Absorption (ASTM D 570)
Neat, 7 day cure, max. 0.26%
Coefficient of Thermal Expansion (ASTM D696)
Temperature range -30°C (-22°F) / 30°C (86°F)
7 days 17.0 – 19.0 x 10. in/in./°F
Flammability (ASTM D635)
EPC, 7 day cure, self-extinguishing

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem’s directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc’s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.

Data sheets are subject to change without notice