



## SECTION 09650 – RESILIENT FLOORING

### Part 1 – General

#### RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to work of this section.

#### DESCRIPTION OF WORK:

Extent of resilient flooring and accessories is shown on drawings and in Material and Room Finish Schedules.

#### QUALITY ASSURANCE:

Manufacturer: Provide each type of resilient flooring and accessories as produced by a single manufacturer, including recommended primers, adhesives, sealants and leveling compounds.

Fire Test Performance: Provide resilient flooring which complies with the flooring fire test performance criteria as determined by an independent testing laboratory acceptable to authorities having jurisdiction.

Flame Spread: > 0.45 watts/cm<sup>2</sup> Class I - per ASTM E648  
Smoke Density: < 450 per ASTM E 662

#### SUBMITTALS:

Product Data: Submit manufacturer's technical data for each type of resilient flooring and accessory.

Samples for initial Selection Purposes: Submit manufacturer's standard color charts in form of actual sections of resilient flooring, including accessories, showing full range of colors and patterns available, for each type of resilient flooring required.

Samples for Verification Purposes: Submit the following samples of each type, color and pattern of resilient flooring required, showing full range of color and pattern variations.

12" x 12" samples of sheet flooring, or  
Full size tile samples.  
6" long samples of resilient bases, including preformed corners.  
6" long samples of resilient edge strips.  
2 ½" long samples of resilient flooring accessories.  
Other materials, such as stair tread units, etc., as required.

Certification for Fire Test Performance: Submit certification from independent testing laboratory acceptable to authorities having jurisdiction that resilient flooring complies with fire test performance requirements.

Bond and Moisture Tests: Submit location diagrams and results. It is essential that moisture tests be taken on all concrete floors regardless of the age or grade level. Check moisture content does not exceed 2.5% by weight (calcium carbide test method) or moisture emissions do not exceed 3 lbs. Water/24 hours/1000 sq. ft. (calcium chloride test method) by conducting moisture tests, around the perimeter of the room, at columns and where moisture may be evident. Calcium chloride tests and/or calcium carbide tests must be done in accordance with ASTM F-1869 and to instructions. It is the responsibility of the owner or his agent to provide adequate moisture testing by an independent agency acceptable to the floor covering manufacturer for products specified within this document.

Maintenance Instruction: Submit two copies of manufacturer recommended maintenance practices for each type of resilient flooring and accessory required.

Polyflor is distributed in the USA exclusively by:



119 South Tree Dr. - P.O. Box 4944 - Lancaster, PA 17604-4944  
Tel: (717) 299-5035 or (800) 828-9461 - Fax: (717) 394-1937  
E-mail: [gerbertinfo@gerbertltd.com](mailto:gerbertinfo@gerbertltd.com)

**PROJECT CONDITIONS:**

Maintain minimum temperature as instructed by material manufacturers but not less than 65 deg. F (18 deg. C) in spaces to receive resilient flooring for at least 48 hours prior to installation, during installation and for not less than 48 hours after installation. Store resilient flooring materials in spaces where they will be installed for at least 48 hours before beginning installation. Subsequently, maintain minimum temperature of 55 deg. F (13 deg. C) in areas where work is completed.

Install resilient flooring and accessories after other finishing operations, including painting, have been completed. Do not install resilient flooring over concrete slabs until the latter have been cured and are sufficiently dry to achieve bond with adhesive as determined by the resilient flooring manufacturer's recommended bond and moisture test. Do not take tests later than ten days prior to scheduled installation. Notify Architect immediately of unsatisfactory conditions.

**PART 2 – PRODUCTS**

**MANUFACTURER:**

**POLYFLOR LTD.**

(a Halstead Flooring Co.)  
P.O. Box 3, Radcliffe New Road,  
Whitefield, Manchester, M45 7NR, U.K.

**DISTRIBUTOR:**

**GERBERT LTD.**

P.O. Box 4944  
Lancaster, PA 176004-4944  
Phone: 1-888-359-5466 – 717-299-5035  
Fax 1-717-394-1937  
Email: [gertbertinfo@gerbertltd.com](mailto:gertbertinfo@gerbertltd.com)

Products are available through contract flooring dealers.

**RESILIENT FLOORING COLORS AND PATTERNS:**

Provide color and patterns as indicated, or if not indicated in Materials Schedule and/or drawings as selected by Architect from manufacturer's standards.

**PRESTIGE PUR**

The Polyflor PUR range of products incorporates a polyurethane reinforcement, which protects the floor covering by resisting soiling and scuffing. Combined with the superior closed surface finish, this enhanced protection allows the use of a lifelong polish-free maintenance program. This protection ensures that the intensity of the maintenance and overall cleaning costs are significantly reduced.

High vinyl content floorcovering of homogeneous mono-layered construction and non-directional design.

High vinyl content without backing: Provide nonlayered vinyl sheet with pattern and color extending through its full thickness and complying with the following requirements:

**RESILIENT TILE:**

<u>Standard:</u>	Comply with ASTM F-1700 solid vinyl tile
<u>Size:</u>	300 x 300 mm (nominal 11.8" x 11.8") and/or 608 x 608 mm (nominal 23.9" x 23.9")
<u>Type:</u>	Asbestos free Homogenous, mono-layered solid vinyl tile
<u>Gauge:</u>	2mm (.080")

Polyflor is distributed in the USA exclusively by:



**VINYL SHEET FLOORING:**

<u>Standard:</u>	Comply with ASTM F 1913, ASTM E648, and ASTM E662
<u>Static Load Limit:</u>	ASTM F970(m), 750 psi
<u>Gauge:</u>	2mm ( nominal .080" )
<u>Sheet Size:</u>	2 x 20 M (nominal 6 ft. 6 in. x 66 ft)

Welding Thread: Vinyl thread or rod as produced by the manufacturer of sheet vinyl flooring and intended for heat sealing of joints. Color to match field of sheet vinyl floor covering unless otherwise noted.

<u>Polyflor Prestige PUR</u>	Performance/General	ASTM F1913 sheet vinyl without backing
	Flame Spread	ASTM F1700 Solid vinyl tiles
	Smoke Density	ASTM E648 >0.45 watts/cm <sup>2</sup> Class 1
	Load	ASTM E662 < 450 pass
	Abrasion Resistance	ASTM F970(m) – 750 PSI
	Slip Measurement	EN 649: 1996 Group P
	Thickness offered	ASTM D2047 >0.5 2.0mm (.080")

**ACCESSORIES:**

Adhesives: Use only manufacturer approved adhesive. Adhesives are available through flooring dealers or Gerbert Ltd. Submit list of manufacturer approved adhesives to Architect for approval.

**PART 3 – EXECUTION**

**INSPECTION:**

Require installer to inspect sub-floor surfaces to determine that they are satisfactory. A satisfactory subfloor surface is defined as one that is smooth and free from cracks, holes, ridges, or coatings preventing adhesive bond and other defects impairing performance or appearance.

Concrete subfloors: Verify that concrete slabs comply with ASTM F710 and the following:

Slab substrates are dry and free of curing compounds, sealers, hardeners and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by flooring manufacturer.

Do not allow resilient flooring work to proceed until subfloor surfaces are satisfactory.

**PREPARATION:**

Prepare subfloor surface as follows:

Inspection of existing sub-floor: A solid, dry, clean, sub-floor is required for the installation of all Polyflor materials.

Use cementitious leveling and patching compounds as recommended by resilient flooring manufacturer for filling small cracks, holes and depressions and leveling subfloors. This contractor shall be responsible for leveling new or existing floors whose surface varies up to 5/16". Notify Owner, Architect and General Contractor in writing where substrate varies more than above before proceeding with the work. **Gypsum based leveling compounds will not be accepted.**

Use cementitious leveling and patching compounds as recommended by resilient flooring manufacturer for filling small cracks, holes and depression in subfloors.

Polyflor is distributed in the USA exclusively by:





Remove coatings from subfloor surfaces that would prevent adhesive bond, including curing compounds incompatible with resilient flooring adhesives, paints, oils, waxes and sealers.

Broom clean or vacuum surfaces to be covered, and inspect subfloor.

Polyflor is distributed in the USA exclusively by:



119 South Tree Dr. - P.O. Box 4944 - Lancaster, PA 17604-4944  
Tel: (717) 299-5035 or (800) 828-9461 - Fax: (717) 394-1937  
E-mail: [gerbertinfo@gerbertltd.com](mailto:gerbertinfo@gerbertltd.com)