

ReAction

1 – GENERAL

1.01 RELATED SECTIONS

Note: List appropriate Sections for related work specific to project

Refer to written Manufacturer's Installation Manual for complete information on receiving, installing, and maintaining ReAction. Material not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials.

1.02 SUBMITTALS

- A. Submit samples in accordance with Section [] - [].
- B. Submit duplicate 300mm x 300mm (12 in x 12 in) sample pieces of ReAction material.
- C. Submit Material Safety Data Sheets for installation adhesives, cleaners and sealers.
- D. Submit layout drawing of flooring [tiles] to [Owner] [Consultant] [Engineer] for review prior to starting any work.

1.03 CLOSEOUT SUBMITTALS

- .A Provide maintenance data for resilient flooring for incorporation into manual specified in Section [] - [].

1.04 EXTRA MATERIALS

- A. Provide extra materials of resilient ReAction and adhesives in accordance with Section [] - [].
- B. Provide [] m², (sqft) [] % of each [color], of resilient ReAction flooring material required for project for maintenance use.
- C. Extra materials to be in one piece and from same production run as installed materials.
- D. Clearly identify each type of resilient ReAction flooring and each container of adhesive.
- E. Deliver to [Owner] [Architect], upon completion of the work of this section.
- F. Store where directed by [Owner] [Architect].

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver resilient ReAction flooring undamaged with manufacturer's labels intact.
- B. Store ReAction in a protected area on site a minimum of 48 hours prior to installation. (Extreme cold or hot climate may require additional time.)
- C. Store ReAction flat, blocked off floor.
- D. Prevent damage or contamination to ReAction from water, moisture, freezing, excessive heat, direct sunlight and construction dust or dirt.

- E. Protect ReAction from construction activities. Provide tarpaulins or plastic coverings blocked to allow ventilation and prevent contamination from dust or debris.
- F. Inspect ReAction for damage, color consistency, and conformity to specification prior to installation, notify the appropriate authority of any imperfections or irregularities, and do not proceed with installation if irregularities exist.

1.06 ENVIRONMENT REQUIREMENTS

- A. Do not install when the moisture vapor emission rate (MVER) exceeds 2.27 kg per 92.9 m² (5 lbs per 1,000 sq.ft) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869)
- B. Do not install when the relative humidity of concrete slabs exceeds 75% (ASTM F2170).
- C. Use only when the substrate temperature is between 10°C and 32°C (50°F and 90°F), and when the ambient relative humidity is below 65%.

1.07 WARRANTY

- A. Supply manufacturer's standard limited warranty against defects in materials or workmanship for 5 years for ReAction from date of purchase.
- B. Supply manufacturer's standard limited warranty against wear exceeding 2% per year when recommended installation and maintenance guidelines are followed.
- C. Warranty is void if solvent based adhesive is used for the installation of ReAction.
- D. Warranty is void if damaged or irregular materials have been installed without prior notification and adjustments made by manufacturer.

2 – PRODUCTS

2.01 SOURCE QUALITY CONTROL

Note: Select appropriate product(s) and/or option listed in brackets.

- A. Solid Color Speckle Rubber Flooring Tile, Square or Interlocking.
 - 1. Wearing Surface: 1.5mm (1/16 in) color virgin blend rubber ± 0.5mm (±1/32 in).
 - 2. Square Size: 900mm x 900mm ± .5mm (35.5 in x 35.5 in ± 1/32 in) Interlocking Size: 848mm x 848mm (33.4 in x 33.4 in).
 - 3. Construction: two layer calendered and vulcanized rubber.
 - 4. Finish: dimpled hammer-tone texture; 15% accent granules added.
 - 5. Thickness: 8mm (5/16 in) ± 0.2mm (1/64 in) tolerance.

6. Color: [Dark Grey with black, light grey] [Red with black, light grey] [Black with dark grey, light grey] [Dark Blue with dark grey, light grey] [Putty with chocolate, tan] [Plum with black, light grey] [color [indicated] [selected by [Engineer] [Consultant].

Colors will be matched to within ± one tone on the pantone chart

7. Material Properties

Shore Hardness	ASTM 2240	82 (top) 70 (bottom)
Co-Efficient of Friction	ASTM C1028	.72 dry, .70 wet
Critical Radiant Flux	ASTM E648-03	0.92 watts/cm2 Class 1
Static Load Limit	ASTM F970-00	.005 @ 500 psi
Optical Density of Smoke	ASTM E662	< 450 PASS
VOC Compliance	ASTM D5116	Yes
Color Stability		Good
Light Reflection		Average
Chemical Resistance		Good

2.02 ACCESSORIES

- A. Bevelled Edging: Black rubber or vinyl transition ramp edging as available from flooring manufacturer.
- B. Floor Filler: Cement based leveling compound. Recommend Mapei Planipatch, Planipatch-Plus or acceptable substitution.
- C. Adhesive: 2-part, SportFLOOR™ Adhesive, solvent free urethane adhesives as recommended by manufacturer. (Do not use solvent based adhesives)

See warranty re alternate adhesives.

- D. Initial Cleaner: (Refer to Manufacturer’s printed Installation Manual for cleaning procedures) PH neutral bio-degradable cleaner, diluted in clean water to manufacturer’s specification.
 - Recommended product: Taski™ Profi® or similar product
- E. Floor Finish (if required only):
 - ReAction does not require an applied finish.
 - Recommended product (if required): Taski™ Wiwax® or similar product.
 - An applied finish may alter the surface characteristic of the floor.

- F. Maintenance Cleaner: PH neutral bio-degradable cleaner, diluted in clean water to manufacturer's specification.

3 – EXECUTION

3.01 SITE VERIFICATION OF CONDITIONS

- A. Installation of ReAction should not begin until the work of all other trades has been completed, especially overhead trades.
- B. Examine floor areas to be covered and report any deficiencies to the Contractor. Do not proceed with installation until substrates and conditions comply with manufacturer's requirements for installation.
- C. Ensure floor substrate is clean and dry by using test methods recommended by flooring manufacturer.
- D. Ensure building area for flooring application is maintained at minimum 15°C (60°F), maximum 24°C (75°F) and at maximum 65% relative humidity for minimum 48 hours before installation, during installation and for minimum 72 hours after completion of work.
- E. Flooring shall be dry laid and inspected by installer, under normal occupied lighting conditions, to ensure proper color and fit prior to final adhesive installation.

Note: Select appropriate substrate preparation

3.02 WOOD FLOOR PREPERATION

Prepare subfloor in accordance with Manufacturer's instructions in the printed Installation Manual.

3.03 CONCRETE FLOOR PREPERATION

Prepare subfloor in accordance with Manufacturer's instructions in the printed Installation Manual.

Perform moisture test recommended by flooring manufacturer on concrete floor.

1. Test shall be in accordance with ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Sub floor Using Anhydrous Calcium Chloride.
2. One test should be conducted for every 92.9030m² (1000 sqft) of flooring and the results not exceed 1.36 kg (3 lbs) per 92.9030m² (1000 sqft) in 24 hours.

If test results exceed limitations or if hydrostatic pressure exists, the installation must not proceed until the problem has been corrected or an approved vapor barrier underlayment is installed.

*If lightweight concrete has been used in construction do not use the F1869 test. Use ASTM F2170, the Relative-Humidity Test, as an alternate in these cases.

*If poured-gypsum underlayment has been used, check with the underlayment manufacturer on how to test for dryness. Never use calcium chloride testing with gypsum underlayment.

3.04 APPLICATION FLOORING

See Manufacturer's Installation Procedures.

3.05 CLEANING AND MAINTENANCE

- A. Initial Cleaning: See Manufacturer's Installation Procedures for cleaning instructions.
 - Do not proceed with cleaning until 72 hours minimum after installation.
- B. Floor Finishing: Complete if required in project. A finish may alter the surface characteristic of the tile. Apply floor finish for rubber flooring according to instructions and application rate recommended by manufacturer.
- C. Regular Cleaning: See Manufacturer's Installation Procedures for regular cleaning instructions.

3.06 PROTECTION

- A. Protect and cover new floors from damage until final inspection.
- B. Prohibit traffic on floor for 24 hours after installation.
- C. Provide ventilation to installation area during installation and for minimum 72 hours after completion of work

4 – SPECIFICATIONS

4.01 SPECIFICATIONS

Construction	Virgin rubber top layer with recycled rubber base
Face Style	Solid color with 10% accent speckles
Face Finish	Dimpled hammer-top texture
Total Weight	21 lbs per tile
Thickness	8 mm (5/16")
Width	900 mm (not quite 35.5")
Length	900 mm (not quite 35.5")
Colours	510 Dark grey with black & light grey 520 Red with black & light grey 530 Black with dark grey & light grey 540 Dark blue with dark grey & light grey 575 Putty with black and chocolate 590 Plum with black & light grey