



Tile Setting Mortars Product Selection Matrix

ENGINEERED PERFORMANCE SERIES				POLYMER-
Permalastic	Permalastic Rapid	PermaFlex 600	Quick PermaFlex 570	StayFlex 590
Designed for maximum adhesion & deformability. Capable of bridging 3/16" (5 mm) cracks.	Rapid setting Permalastic formula for commercial applications that demand fast return to service – grout 2 to 4 hours. 	Superior performance and adhesion. Capable of bridging up to 1/8" (3 mm) cracks.	Rapid setting, grout in 2 to 4 hours for quick return to service. 	Large format tile (LFT) mortar providing 20% more coverage than typical tile mortars. No back buttering required.

Technical standards:

ANSI Standard	A118.4, A118.11 & A118.15	A118.4, A118.11 & A118.15	A118.4, A118.11 & A118.15	A118.4, A118.11 & A118.15	A118.4 & A118.11
ISO 13007 Standard	C2ES2P2	C2FS2P2	C2ES1P2	C2FS1P1	C2TES1P1

Installs where:

	Interior / Exterior	Interior / Exterior	Interior / Exterior	Interior / Exterior	Interior / Exterior
	Floors / Walls / Ceilings	Floors / Walls / Ceilings	Floors / Walls / Ceilings	Floors / Walls / Ceilings	Floors / Walls / Ceilings

Ideally designed for the installation of:

Cement tile	■	■	■	■	■
Ceramic tile	■	■	■	■	■
Glass tile	■	■	■	■	■
High bottom lugged tile	■	■	■	■	■
Large format tile (LFT) ¹					■ (Floor & Wall only)
Non-moisture sensitive natural stone	■	■	■	■	■
Pavers	■	■	■	■	■
Porcelain	■	■	■	■	■
Quarry	■	■	■	■	■

Installs over substrates:

Cement backerboard (CBU)	■	■	■	■	■
Concrete	■	■	■	■	■
Cork underlayment	■	■	■	■	■
Countertops	■	■	■	■	■
Cracks in substrate	Up to 3/16" (5 mm)	Up to 3/16" (5 mm)	Up to 1/8" (3 mm)		
Cured portland cement mortar	■	■	■	■	■
Cutback adhesive ²	■	■	■	■	■
Exterior grade plywood	24" OC Max	24" OC Max	19" OC Max	19" OC Max	19" OC Max
Gypsum plaster or gypsum board ³	■	■	■	■	■
Masonry	■	■	■	■	■
Tile over tile	■	■	■	■	■
Uncoupling membrane ⁴					
VCT ²	■	■	■	■	■
Waterproofing	■	■	■	■	■

Qualifying System Warranty:

Warranty Length ⁵	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	20-Year
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1. Large format tile (LFT) is defined as any tile or stone with one side ≥ 15" (381 mm).
2. Difficult to bond substrates, VCT and cutback adhesive require extra preparation. Contact ProSpec Technical Services.
3. Residential Dry (RES1) / Commercial Dry (COM1) only.
4. Follow manufacturer's recommendations.

MODIFIED, SPECIALTY SERIES		POLYMER-MODIFIED SERIES			NON-MODIFIED SERIES	
Medium Bed PermaFlex 550	PermaFlex Lite 525	PermaFlex 500	PermaFlex 400	PermaFlex 300	PermaSet 275	PermaSet 200
Large format tile (LFT) mortar used when the embedded thickness is between 3/16" to 3/4" (5 mm to 19 mm).	Lightweight, non-slump tile setting mortar. Provides twice the coverage of typical polymer-modified mortars.	High performance tile setting mortar for difficult to bond substrates and glass tile.	General purpose tile setting mortar for interior and exterior installations of many tile types.	Best value for porcelain tile interior / exterior floor applications over concrete.	Designed for installing ceramic tile on interior walls or floors.	Designed for installing ceramic tile on interior concrete floors.
A118.4 & A118.11	A118.4 & A118.11	A118.4 & A118.11	A118.4 & A118.11	A118.4	A118.1*	A118.1*
C2ES1P1	C2TES1P1	C2ES1P1	C2P1	C2	C1*	C1*
Interior / Exterior Floors	Interior / Exterior Floors / Walls	Interior / Exterior Floors / Walls / Ceilings	Interior / Exterior Floors / Walls	Interior / Exterior Floors	Interior / Exterior** Floors / Walls	Interior / Exterior** Floors
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■***	■***	■
■	■	■	■	■	■**	■**
■	■	■	■	■	■**	■**
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
19" OC Max	19" OC Max	19" OC Max	16" OC Max		16" OC Max**	16" OC Max**
■	■	■	■		■	■**
■	■	■	■		■**	■**
■	■	■	■		■	■
■	■	■	■		■**	■**
20-Year	20-Year	20-Year	10-Year	5-Year	1-Year**	1-Year**

5. Contact ProSpec Technical Services for full warranty details.
 * PermaSet 200 & PermaSet 275 meet ANSI Standard A118.4 & A118.11, and ISO 13007 C2P1 when mixed with B-730 Mortar / Acrylic Additive.
 ** When mixed with B-730 Mortar / Acrylic Additive. Eligible as part of 20-Year System Warranty when mixed with B-730 Mortar / Acrylic Additive.
 *** Medium Bed Version

Adhesives & Epoxy Product Selection Matrix

SURFACE PREPARATION		WATER PROOFING / CRACK ISOLATION		
Wall Mud	Floor Mud	B-6000 Waterproof / Crack Isolation	Flex-Guard	Speed-Flex
Pre-measured, portland cement-based plaster used as a scratch & brown coat for ceramic tile.	Portland cement-based mortar designed for thick setting beds under ceramic or quarry tiles.	Latex-based waterproofing membrane underlayment or part of a crack isolation system. IAMPO for shower pans.	Primerless, pressure sensitive, elastomeric, crack isolation and anti-fracture system. Extra Heavy Service Rating.	Primerless, pressure sensitive and elastomeric crack isolation and anti-fracture system. Extra Heavy Service Rating.

Technical standards:

ANSI Standard			A118.10 & A118.12	A118.12	A118.12
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Installs where:

	Interior	Interior	Interior / Exterior	Interior / Exterior	Interior
	Wall	Floor	Floor / Wall / Ceiling		

Ideally designed for the installation of:

Cement tile					
Ceramic tile					
Glass tile					
High bottom lugged tile					
Large format tile (LFT) ¹					
Non-moisture sensitive natural stone					
Moisture sensitive natural stone					
Pavers					
Porcelain					
Quarry					

Installs over substrates:

Cement backerboard (CBU)			■	■	■
Concrete	■	■	■	■	■
Cork underlayment					
Cured portland cement mortar	■	■	■	■	■
Cutback adhesive (properly prepared) ⁴				■	■
Cracks in substrate			Up to 1/16" (2 mm)	Up to 3/8" (9 mm)	Up to 3/8" (9 mm)
Exterior grade plywood			24" OC Max	24" OC Max	24" OC Max
Gypsum plaster or gypsum board ⁵			■		
Hardened Steel					
Masonry	■		■		
Tile backer board			■	■	■
Tile over tile				■	■
Uncoupling membrane					
VCT ⁴				■	■
Waterproofing					

Qualifying System Warranty:

Warranty Length ⁶	20-Year	Limited Lifetime ⁷	Limited Lifetime	Limited Lifetime	20-Year
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1. Large format tile (LFT) is defined as any tile or stone with one side ≥ 15" (381 mm).

2. When used as a setting material.

3. When used with grout.

4. Difficult to bond substrates, VCT and cutback adhesive require extra preparation. Contact ProSpec Technical Services.

5. Residential Dry (RES1) / Commercial Dry (COM1) only.

6. Contact ProSpec Technical Services for full warranty details.

7. When mixed with B-710 SBR Additive

