

Specifications Interlocking Concrete Pavers

2008

PART ONE – GENERAL

1.1 SECTION INCLUDES

- A. Precast Concrete Interlocking Paving Units
- B. Sand Setting Bed
- C. Sand Joints
- D. Edge Retainage Materials

1.2 RELATED SECTION

- A. Subgrade Site Work
- B. Aggregate Sub Base

1.3 REFERENCES

- A. American Society of Testing and Materials (ASTM)
 - 1. C-33 Specification for concrete aggregates
 - 2. C-136 Method for sieve analysis for fine & coarse aggregate
 - 3. C-144 Standard specification for aggregate used in masonry mortar
 - 4. C-140 Sampling and testing concrete masonry units
 - 5. C-67 Resistance to freezing and thawing
 - 6. C-150 Specifications for Portland Cement
 - 7. C-936 Specification for solid concrete interlocking paving units
 - 8. C-979 Specification for color pigment

1.4 QUALITY ASSURANCE

- A. Manufacturer
 - 1. Manufacturer must have a minimum of 5 years experience.
 - 2. Manufacturer to supply a written Quality Assurance & Procedure Manual.
- B. Installer
 - 1. To show qualifications in successfully installing projects of the size and scope of the bidding project.

1.5 SUBMITTALS

- A. Submit manufacturer's literature, product data, quality assurance program and test reports.
- B. Samples are to be full size units, showing complete range of color and surface texture.

PART TWO – PRODUCTS

2.1 CONCRETE PAVERS

- A. Physical Requirements
 - 1. Compressive Strength: At the time of delivery to the work site, the average compressive strength of the test sample shall not be less than 8000 psi with no individual unit less than 7200 psi; ASTM C-140.
 - 2. Absorption: The average absorption of the test samples shall not be greater than 5% with no individual unit greater than 7%; ASTM C-140.
 - 3. Resistance to freezing and thawing: Shall have no breakage and not greater than 1% loss in dry weight of any individual unit when subjected to 50 cycles of freeze/thaw; ASTM C-67.
 - 4. Permissible Variations in Dimensions: Length or width of units shall not differ by more than +/- 1/16" from approved sample. Height of units shall not differ by more than +/- 1/8" from the specified standard dimensions.
 - 5. Visual inspection: All units shall be sound and free of defects that would interfere with proper placing of the unit or impair the strength or performance of the construction.

2.2 MATERIALS

- A. Portland Cement: ASTM C-150
- B. Aggregates: ASTM C-33
- C. Coloring: ASTM C-979

PART THREE – EXECUTION

3.1 EXAMINATION

- A. Verify subgrade preparation, elevations and compacted density to meet specifications and drawings.
- B. Any variances of subgrade to be corrected to meet specifications and drawings before starting installation.

3.2 INSTALLATION

- A. Sand setting bed to be 1" in depth. Never exceed 1-1/2" in depth. Do not use sand to fill depressions in sub-base. Setting bed sand to meet ASTM C-33.
- B. Lay pavers in pattern as selected or shown on drawings and maintain straight pattern lines.
- C. Joints between pavers should average between 1/16" and 3/16".
- D. Install perimeter retainage edging as per manufacturer's instructions and recommendations.
- E. Cut pavers with masonry saw or split with a double blade paver splitter. All cut surfaces to be clean and neat with close tolerances.
- F. Vibrate pavers with low amplitude, high frequency vibrator.
- G. Sweep dry joint sand into joints. Sand to meet ASTM C-144 grading requirements. Vibrate pavers until joints are full. Sweep excess sand off installation.
- H. Final inspection. Check pavers for surface elevations, chipped or damaged pavers and overall paver layout and appearance.

For additional information, contact Terra-Paving Division, Wausau Tile, Inc.

	Gray	Black	Red	Brown	Tan	Tan/Char.	Brown/Tan	Red/Black	Gray/Black	Red/Gray	Red/Brown	Brown/Black	Red Range	Peoria Flash
Holland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Madrid						✓	✓	✓	✓	✓	✓	✓	✓	
Munich I						✓	✓	✓	✓	✓	✓	✓	✓	
Circle						✓	✓	✓	✓	✓	✓	✓	✓	
Circle II						✓	✓	✓					✓	
Munich II						✓	✓	✓					✓	
Hamburg II						✓	✓	✓					✓	
London						✓	✓	✓						
Loc Edg						✓	✓	✓					✓	
6x6 Tumbled						✓	✓	✓						
6x9 Tumbled						✓	✓	✓						
9x12 Tumbled						✓	✓	✓						
Turfstone	✓													
								Special Order					Minimum order 800 Sq. ft	
Denmark								ALL Colors						
Holland 8cm								ALL Colors						
12x12 Pavers								Solid colors only						



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