Suggested Specification
SECTION 32 17 00
Pawling Pro-Tek® Model SBE-1025

PART 1 GENERAL

1.01 SUMMARY

A. This section includes the following speed bumps:
   1. Plastic Speed Bumps
B. Related Sections
   1. Section 32 12 00 – Flexible Paving
   2. Section 32 13 00 – Rigid Paving
   3. Section 32 14 13 – Precast Concrete Unit Paving

1.02 REFERENCES

A. Abbreviations and Acronyms
   1. American Society for Testing and Materials (ASTM)
   2. American National Standards Institute (ANSI)

1.03 SUBMITTALS

A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures"
B. Product Data
   1. Data sheet illustrating product dimensions.
   2. Installation instructions.
C. Samples for verification of design suitability and color.
   1. 12" (304) Long sample

1.04 QUALITY ASSURANCE

A. Manufacturer to have no less than 5 years experience in the production of speed bumps having successful in-service performance.
B. Product shall be UV stabilized.
C. Yellow colorant shall be light stable to resist fading.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Storage: Store Speed bumps on solid flat surface in original packaging. Cover to protect from elements until installation.
B. Handling: Take adequate measure to prevent damage to materials.

1.06 SITE CONDITIONS

A. Do not install speed bumps in a walkway or foreseeable pedestrian path.

PART 2 PRODUCTS

2.01 MANUFATURERS

A. Pawling Corporation
   Architectural Products
   32 Nelson Hill Rd
   Wassaic, NY 12592
   Tel: 800-431-3456
   www.pawling.com

2.02 DESCRIPTION

A. Model SBE-1025, 10” (254) x 2” (51) Molded plastic speed bump. Available in 72” (1829) and 108” (2743) lengths. Specify hardware for installation on asphalt (SBEA-1025) or concrete (SBEC-1025). Select from manufacturer’s standard colors.
   1. Sustainability Characteristics
      a. Speed Bump: 80% Post-industrial, 20% Post-consumer recycled content.

2.03 DESIGN AND PERFORMANCE CRITERIA

A. Physical Properties:
   1. Compressive Strength: 3200-3800 lbs/sqin
   2. Density: .917 to .980 g/cc (ASTM D792)
   3. Electrical Properties: > 10 ohm-cm (ASTM D257)
   4. Flash Point: 330°C (ASTM D138)
   5. Hardness: 65 Shore D
   6. Izod Impact: 5.5 ft-lb/in average (ASTM D256)
   7. Tensile Strength: 1892 psi maximum (ASTM D638)
   8. Thermal Expansion: .0007 in/in/°F (ASTM D696)
   9. Water Absorption: < .01% 24 hours (ASTM D570)

B. Dimensions:
   1. Recycled plastic is subject to significant variation in overall size due to shrinkage during the manufacturing process. All dimensions are nominal.
   2. Product is not intended for accurate end-to-end alignment.

2.04 MATERIALS

A. Speed Bump: Recycled LDPE plastic.

2.05 ACCESSORIES

A. Asphalt hardware, provided with SBEA-1025:
   1. Steel spike 12” (305), zinc plated.
   2. Two full length rows of 2” (51) butyl tape.

B. Concrete hardware, provided with SBEC-1025:
   1. Lag bolt 1/2" (13) x 8” (203), flat washer, and expansion shield.
   2. Two full length rows of 2” (51) butyl tape.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify asphalt and concrete pavement have cured sufficiently for installation of appropriate hardware.

B. Verify substantial completion of work by other trades that require access through installation areas.

3.02 PREPARATION

A. Surface Preparation: Smooth irregularities that may prevent speed bump from lying flat.

B. When using adhesive, clean substrate to remove dust and debris.

3.03 INSTALLATION

A. Acclimate product to site conditions for at least 24 hours prior to installation.

B. Install speed bump on asphalt or concrete surface in accordance with manufacturer’s installation instructions.

C. Provide a minimum gap of 3/8” (10) between speed bumps for thermal expansion.

3.04 CLEANING

A. Rinse with clean water. Remove or reduce stains using scrub brush with mild soap and water solution.

3.05 PROTECTION

A. Protect installed material from damage by other trades. Use materials that will not mark, stain, or leave residue on the product.

3.06 MAINTENANCE

A. Perform preventive maintenance inspections. Correct loose or failing hardware connections. Replace broken, cracked, or damaged speed bumps.