

Articulating Concrete Block Revetment System
Type 1, 2, 3

Qualified Product List Specification Requirements

ODOT Construction and Materials Specifications Item 712.13

Requirements for inclusion on the Qualified Product List

Submit to the Office of Hydraulics:

- 1 Follow the Design specifications for the mat in accordance with the requirements of item 712.13 and ASTM D6684 and tested according to ASTM D 7277. The Department will determine acceptance of Type1, 2 and 3 based on independent third party test data.
- 2 If available, provide history of product performance including locations, photographs of product uninstalled and installed and owner references.
- 3 Submit to: Ohio Department of Transportation Office of Hydraulics , 1st Floor 1980 West Broad Street Columbus, Ohio 43223

Submit to the Office of Materials Management the following information:

1. Manufacturer's letter certifying the tied concrete block mat supplied to the project will meet or exceed Departmental specifications and include:
 - A. Pictures of typical markings placed on the product(s) to identify it and allow the field personnel to match it to an approved brand name.
 - B. A two feet by two feet (min.) sample of the tied concrete block mat.
2. Provide the Department with a contact name, number and e-mail address.
3. Agreement to immediately notify the Department on any changes in production, materials, dimensions, before shipment.
4. Provide re-certification documentation upon making any changes to product materials, shape, dimensions, etc. or at the request of the Department.
 - A. Submit changes to the Office of Hydraulics for approval.
 - B. Provide information regarding any changes to product markings and identifiers.
5. Provide re-certification documentation by January 1 of each year. Submit to: Ohio Department of Transportation Office of Materials Management 1600 West Broad Street Columbus, Ohio 43223

Minimum Material Requirements

1. Concrete. These properties will be tested by the Office of Materials Management lab.
 - A. Hardened Air (min.) 4%
 - B. 28 day comp. strength (min.) 4000 psi

2. Mesh or Cable Tie Material
 - A. 75 year design life (ASTM, AASHTO, or other certified test results)
 - B. Significant strength to handle installation procedures. (Provide Calculations) Provide mill certifications for metal products, certified test data for non-metallic products.
 - C. Material should be chemical, environmental and ultraviolet resistant. Provide data detailing UV resistance and pH range in which the material is stable. (ASTM, AASHTO, or other certified test results)

All records, mill certifications, and certified test data shall be kept on file by the manufacturer and made available during plant inspections.

Acceptance by the Department

The Office of Hydraulics will notify the Office of Materials Management as to the acceptance of the initial product submittal. The Office of Materials Management will perform tests as notes above. Upon acceptance or rejection, the Office of Materials Management will notify the manufacturer.

Accepted products will be listed on the Department's qualified product list web page and will be loaded into the Department's Construction Management System for acceptance in the field through the QPL screen. Depending on the manufacturing company, the Department may require information on the manufacturer that identifies the company, address, manufacturing site, shipping site and phone numbers.

Field Documentation Requirements

Products on the QPL will be accepted if they can be identified by the field personnel to a Supplier/manufacturer listed on the Department's Qualified Products List.