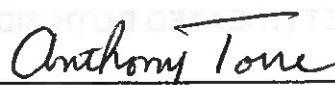


SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 10-032
Title: REVISION TO STANDARD SPECIFICATION 728-06 SHEET GASKET (TREATED BOTH SIDES)			
Distribution: ☒ Manufacturers (18) ☐ Local Govt. (31) ☒ Agencies (32) ☐ Surveyors (33) ☒ Consultants (34) ☒ Contractors (39) ☐ _____ ()		Approved:  Anthony Torre, P.E. Acting Deputy Chief Engineer, Research 10-22-10 Date	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of May 5, 2011.
- This issuance does not supersede any previous issuances.
- The information transmitted by this issuance will be incorporated into the next update of the Standard Specifications.

PURPOSE: The purpose of this EI is to introduce a revised Standard Specification for 728-06 SHEET GASKET (TREATED BOTH SIDES).

TECHNICAL INFORMATION:

- There is no ASTM test method specified for Sheet Gasket Water absorption and the Department no longer uses ASTM Test Method C642 for absorption. These events have forced the Department to update the acceptance procedure and associated testing for sheet gasket (treated both sides). A Department procedure has now been established to determine the percent water absorption of this material.
- This revision updates the test requirements for acceptance of this item. The revised specification still requires an Approved List qualification for basis of acceptance.

IMPLEMENTATION:

- Main Office Design Quality Assurance Bureau will insert the revisions to the Standard Specification into contract proposals beginning with projects submitted for the letting of May 5, 2011.

TRANSMITTED MATERIALS:

- Revision to Standard Specification 728-06 Sheet Gasket (treated both sides). Both metric and US Customary revisions are attached.

BACKGROUND:

Sheet Gasket treated both sides with a parting agent is used to prevent adhesion of working surfaces. This material is used as a bond breaker and sliding surface in bridge construction.

CONTACT:

If additional guidance is needed contact Guy Hildreth at 518 485-5431 or ghildreth@dot.state.ny.us or Salah Ali at 518 485-9290 or smali@dot.state.ny.us

Make the following changes to the Standard Specifications dated May 1, 2008:

Page 1021 **Delete** §728-06 Sheet Gasket (Treated Both Sides) in its entirety and **Replace** it with the following:

728-06 SHEET GASKET (TREATED BOTH SIDES)

SCOPE. This specification covers the material requirements for sheet gasket, treated both sides with a parting agent to prevent adhesion to working surfaces. This material is used as a bond breaker and sliding surface in bridge construction.

MATERIAL REQUIREMENTS. The sheet gasket shall have a nominal 1/16 inch thickness and shall be treated on both sides with a parting agent. The material shall meet the following requirements:

TABLE 728-06-1 SHEET GASKET REQUIREMENTS		
Property	Test Method	Requirement
Water absorption, %	Prepare 3 samples (2x2 inches, 1/16±1/32 inch thick). Record initial weight of the specimen. Immerse the samples in a distilled water tank for 24 hrs at room temperature. Take out the samples and dry it with a dry cloth, then record final weight. Use the difference in weight to calculate the water absorption %.	25.0 Maximum
Coefficient of static friction	ASTM D1894	0.36 Maximum
Coefficient of kinetic friction	ASTM D1894	0.24 Maximum
Tensile strength, psi in the weakest direction	ASTM F152, Type 2	1200 Minimum

BASIS OF ACCEPTANCE. Sheet Gaskets will be accepted on the basis of the product appearing on the Department's Approved List.

Make the following changes to the Standard Specifications dated May 4, 2006:

Page 971 **Delete** §728-06 Sheet Gasket (Treated Both Sides) in its entirety and **Replace** it with the following:

728-06 SHEET GASKET (TREATED BOTH SIDES)

SCOPE. This specification covers the material requirements for sheet gasket, treated both sides with a parting agent to prevent adhesion to working surfaces. This material is used as a bond breaker and sliding surface in bridge construction.

MATERIAL REQUIREMENTS. The sheet gasket shall have a nominal 1.6 mm thickness and shall be treated on both sides with a parting agent. The material shall meet the following requirements:

TABLE 728-06-1 SHEET GASKET REQUIREMENTS		
Property	Test Method	Requirement
Water absorption, %	Prepare 3 samples (50x50 mm, 1.6 ± 0.8 mm thick). Record initial weight of the specimen. Immerse the samples in a distilled water tank for 24 hrs at room temperature. Take out the samples and dry it with a dry cloth, then record final weight. Use the difference in weight to calculate the water absorption %.	25.0 Maximum
Coefficient of static friction	ASTM D1894	0.36 Maximum
Coefficient of kinetic friction	ASTM D1894	0.24 Maximum
Tensile strength, kPa in the weakest direction	ASTM F152, Type 2	8250 Minimum

BASIS OF ACCEPTANCE. Sheet Gaskets will be accepted on the basis of the product appearing on the Department's Approved List.