
DMS - 6260
REINFORCED FABRIC JOINT UNDERSEAL

EFFECTIVE DATE: AUGUST 2004

6260.1. Description. This Specification governs the Quality Monitoring Program (QMP) for Reinforced Fabric Joint Underseals. This includes pre-qualification procedure, quality monitoring requirements, disqualification, re-qualification, and material requirements.

6260.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

6260.3. Material Producer List. The Materials and Pavements Section of the Construction Division (CST/M&P) maintains a material producer list (MPL) of products conforming to the procedures and requirements of this program. Materials listed on the MPL, entitled "[Reinforced Fabric Joint Underseal](#)," require no further testing unless deemed necessary by the Project Engineer or CST/M&P.

6260.4. Bidders' and Suppliers' Requirements. Before any material is considered, it must be of manufacture and product code or designation shown on the MPL.

6260.5. Pre-Qualification Procedure.

- A. Pre-Qualification Request.** Submit a written request to the Texas Department of Transportation, Construction Division, Materials and Pavements Section (CP51), 125 East 11th Street, Austin, Texas 78701-2483.

Include the following information in the request:

- company name;
- physical and mailing addresses;
- type of material;
- contact person, telephone number, and email address; and
- independent laboratory test report that contains data certifying compliance of material according to this Specification.

CST/M&P reserves the right to inspect the independent laboratory to ensure that all criteria for equipment and procedure compliance are met.

- B. Pre-Qualification Sample.** After reviewing the request for QMP pre-qualification, CST/M&P will schedule a meeting with the producer to sample and test the material to be submitted.

The producer must submit a minimum of 3 different roll samples for each type of reinforced fabric joint underseal to be considered.

Submit all materials for pre-qualification at no cost to the Department.

C. Testing. The Department will perform all tests outlined in Article 6260.6 to verify data reported by the producer. In the case of variance, Department tests will govern.

D. Evaluation. CST/M&P will notify prospective bidders and suppliers after completion of material evaluation.

1. Qualification. CST/M&P will approve a material for QM if Department test results for each sample meet the minimum requirements outlined in Article 6260.6 and an adequate correlation between producer and CST/M&P test results is established. If approved for use on Department projects, CST/M&P will add the material to the MPL.

Once in the QMP, report any change in formulation or manufacturing process to CST/M&P. Any changes in the material require resubmission for pre-qualification.

When, in the opinion of the Director of CST/M&P, changes have been made in the composition or manufacturing process of a pre-qualified material, a re-evaluation of the performance may be required.

2. Failure. Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

CST/M&P will reject the material if a correlation is not established or if the material does not meet the requirements.

The Department normally bears the costs of sampling and testing; however, the producer will bear the costs associated with materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing, and amounts due will be deducted from monthly or final estimates on Contracts, from partial or final payments on direct purchases by the State, or directly billed to the producer.

E. Quality Monitoring Requirements. The producer bears the responsibility of complying with the following requirements for quality control of the material.

- The producer must maintain a complete record of all test reports, which is readily available to any Department representative.
- These records contain every test performed on the pre-qualified material by the producer or the independent lab. These records must be maintained for the previous and current calendar year.
- Style numbers assigned to each type of fabric must be unique and distinguishable from other styles.
- It is the responsibility of the producer to sample and test the material under the QMP and to maintain appropriate records.
- Frequency of testing pre-qualified styles by the producer is a minimum of one in every State lot. (A State lot consists of 16,722 m² [20,000 yd.²])

- A monthly activity report must be submitted to CST/M&P reflecting a test report for every 16,722 m² (20,000 yd.²) of the pre-qualified material produced.
- Submit a quality monitoring sample by the end of each calendar year for testing. Submit their material no later than the end of November to be pre-qualified for the entire year.

F. Periodic Evaluation. The Department reserves the right to conduct random sampling of pre-qualified material for testing and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. CST/M&P reserves the right to test samples to verify compliance with this Specification.

G. Disqualification. A producer who is granted QMP pre-qualified status will remain in the QMP unless one of the following infractions occurs.

- Material shipped to the Department fails to meet the requirements stated in this Specification.
- The producer fails to properly perform and report QC tests to CST/M&P.
- The producer has not provided the Department with any reinforced fabric joint underseal for a period of 12 months.

Failure of any material or failure by producer to comply with these requirements may result in the removal of the producer from the QMP and the MPL.

The Department may conduct additional tests to identify changes in the material. Changes detected in the composition and/or manufacturing process not reported by the manufacturer may be cause for removal of that material from the QMP.

H. Re-Qualification. If a material is disqualified, the producer will not be allowed to supply any type of reinforced fabric joint underseal to the Department for a period of 30 days, or as determined by the Director of CST/M&P. After this time has expired, the producer must re-qualify to regain QMP status.

If a material is removed from the QMP, the producer may resubmit its product for re-qualification only after submitting a test report from an independent laboratory with test data that certifies that the material meets the requirements of this Specification.

If a producer is disqualified from the QMP, the disqualification period must elapse before a producer is eligible to resubmit their materials for re-qualification procedures. All requirements for pre-qualification under Article 6260.5 will apply.

If multiple styles have been pre-qualified, CST/M&P reserves the right to partially reinstate a producer for one type of reinforced fabric joint underseal, when warranted.

6260.6. Material Requirements. A reinforced fabric joint underseal is a flexible high-density asphaltic membrane adhered to a polymeric reinforcement material. Reinforced fabric joint underseal can be used to retard reflective cracking of flexible pavements over transverse and longitudinal joints. The reinforced fabric joint underseal is self-adhesive.

All materials submitted for the Quality Monitoring Program for Reinforced Fabric Joint Underseals must meet the requirements listed in Table 1.

Table 1
Composite Material

Properties	Requirement	Test Method
Cold Flex	<ul style="list-style-type: none"> ◆ No cracking, no separation ◆ 25 × 200-mm (1 × 8-in.) strip at 0°C (32°F), with a 50-mm (2-in.) mandrel 	ASTM D 146
Thickness	3 mm (0.125 in.) Min	Tex-616-J
Weight	0.9 N·m/m ² (0.7 lb./ft. ²) Min	Tex-616-J
Softening Point	93°C (200°F) Min	ASTM D 36
Puncture Resistance	2001.6 N (450 lb.) Min with a 25-mm (1-in.) mandrel	ASTM E 154

6260.7. Archived Versions. Archived versions are available.