

**W. R. MEADOWS, INC.**

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May 1, 2020

CALTRANS  
 PO Box 942873  
 Sacramento, CA 94273-0001

RE: MEL-DRAIN™ 7012 – CALTRANS 2018 Geocomposite Wall Drain Specification

**CERTIFICATE OF COMPLIANCE**

This letter certifies that MEL-DRAIN™ 7012 geocomposite drain is manufactured to meet the physical and performance specifications as listed on the attached product data sheet.

MEL-DRAIN™ 7012 meets the requirements for Geocomposite Wall Drain published in CALTRANS 2018 Standard Specifications Section 96-1.02C.

The geotextile filter fabric component of MEL-DRAIN™ 7012 meets the requirements for Filter Fabric published in CALTRANS 2018 Standard Specifications Section 96-1.02B.

- MEL-DRAIN 7012 Trapezoid Tearing Strength, per ASTM D4533 = 85 lbs.

CALTRANS 2018 Standard Specifications Section 96-1.01D includes a requirement that geosynthetics must be on the NTPEP DataMine list. This requirement is not applicable to Geocomposite Wall Drain products as NTPEP does not have an evaluation program or DataMine list for geocomposite wall drainage products.

MEL-DRAIN™ 7012 exceeds the minimum transmissivity requirement of 4 gal/min/ft at a hydraulic gradient of 1.0 and a normal stress of 5,000 psf (as evidenced by the attached independent lab flow capability graph).

- MEL-DRAIN 7012 Transmissivity, per ASTM D4716  
 (@ Normal Stress of 5000 psf and Hydraulic Gradient of 1.0) = 2.81E-03  
 (Unit Flow Rate = 13.6 gpm/ft)

MEL-DRAIN™ 7012 meets all previous versions of this specification, including CALTRANS 2010 Standard Specifications Section 88-1.02C and associated revisions.

Should field sampling and/or field or laboratory testing be required, W. R. MEADOWS cannot be held responsible for any cost incurred if this product is used prior to receipt of that approval.

Sincerely,

Dianne Carey  
 Director of Technical Services

ENVIRONMENTALLY RESPONSIBLE CONCRETE PERFORMANCE PRODUCTS

# UNITIS

CONTRACTOR SUPPLIES