



ICC-ES Listing Report

Reissued October 2023

ESL-1272

This listing is subject to renewal October 2024.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
 Section: 07 13 00—Sheet Waterproofing

DIVISION: 03 00 00—CONCRETE
 Section: 03 30 00—Cast-in-Place Concrete

Product Certification System:

The ICC-ES product-certification system includes evaluating evidence in support of test data provided by the listee to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee’s quality system.

Product: Viper II Platinum (V28A14100S)

Listee: ISI Building Products

Evaluation: Viper II Platinum (V28A14100S) is a 8-mil (0.203 mm) co-extruded film manufactured and engineered from seven-layer extrusion technology using a unique virgin resin formulation, and comes in 14 ft by 100 ft (4.27 m by 30 m) and 14 ft by 210 ft (4.27 m by 64 m) rolls and has a nominal weight of 54 lbs (24.3 kg) for the 100-ft roll and 113 lbs (51.2 kg) for the 210-ft roll. Viper II Platinum (V28A14100S) is for use as a water vapor retarder for placement under concrete slab construction and was evaluated based on the following standard:

- ASTM E1745-17 Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs, ASTM International

Findings: Viper II Platinum (V28A14100S) under-slab vapor barrier, when installed in accordance with the manufacturer’s instructions, conforms to Class A vapor retarder in accordance with the requirements of ASTM E1745. See Table 1.

TABLE 1— PROPERTIES FOR PERFORMANCE CLASS A OF PLASTIC WATER VAPOR RETARDER AS REQUIRED BY TABLE 1 OF ASTM E1745			
ASTM E1745 SECTION	TEST METHOD	REQUIREMENT	TEST RESULT
7.1	ASTM F1249 – WATER VAPOR PERMEANCE RATE, MAX. - NEW MATERIAL	0.1 PERMS	0.032 PERMS - PASSED
7.2	ASTM E154 SECTION 9 AND ASTM D882 – TENSILE STRENGTH	45.0 LBF/IN.	51.5 LBF/IN. (MD) – PASSED 47.8 LBF/IN. (TD) – PASSED
7.3	ASTM D1709, METHOD B – RESISTANCE TO PUNCTURE	2200 GRAMS	2207 GRAMS - PASSED

For SI: 1 perm = 1 grain / ft²·in. Hg = 5.72 x 10⁻⁸ g /Pa·s·m²; 1 lbf = 4.448 N; 1 in. = 25.4 mm
 MD = Machine direction
 TD = Transverse direction

Identification:

1. Packaging of the Viper II Platinum (V28A14100S) carries a label indicating the manufacturer's name and address, the product name, and the ICC-ES Listing Mark.
2. The report holder's contact information is the following:

ISI BUILDING PRODUCTS
401 TRUCK HAVEN ROAD
EAST PEORIA, ILLINOIS 61611
(866) 698-6562
www.isibp.com
Info@isibp.com

Installation: The system/product must be installed in accordance with the ISI Building Products published installation instructions and applicable codes.

Conditions of listing:

1. The listing report addresses only conformance with the standard noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. Viper II Platinum (V28A14100S) is manufactured under a quality control program with inspections by ICC-ES.