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Legacy report on the 1997 Uniform Building Code™, the 2000 International Building Code® and the 2000 International Residential Code®

DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07280—Water-resistive Barriers

TYVEK® HOMEWRAP® —STYLE 1055B, STUCCOWRAP®
—STYLE 1062X, DRAINWRAP®—STYLE 1063X AND
COMMERCIALWRAP®—STYLE 1162B WEATHER-
RESISTIVE BARRIERS

E.I. DU PONT DE NEMOURS & CO., INC.
NONWOVENS, CHESTNUT RUN PLAZA
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1.0 SUBJECT

Tyvek® HomeWrap®—Style 1055B, StuccoWrap®—Style
1062X, DrainWrap®—Style 1063X and
CommercialWrap®—Style 1162B Weather-resistive Barriers.

2.0 DESCRIPTION

2.1 General:

Tyvek HomeWrap—Style 1055B, StuccoWrap—Style 1062X,
and CommercialWrap—Style 1162B are weather-resistive
barriers under the 1997 Uniform Building Code™ (UBC),
water-resistive barriers under the 2000 International Building
Code® (IBC), and weather-resistant sheathing papers under
the 2000 International Residential Code® (IRC), and consist
of spunbonded olefin sheets of high-density polyethylene
fibers combined with a UV stabilizing additive. The sheets are
formed by spinning continuous strands of fine interconnected
fibers, and are bonded together through a heat-and-pressure
process. The three products are similar except the
StuccoWrap product is textured. The weights of the products
are approximately 1 pound per 100 square feet (0.049 kg/m²).
The material is produced in 10-foot-wide (3048 mm) rolls
initially and slit to various widths, and is installed over the
studs or sheathing in accordance with Section 1402.1 of the
UBC, Section 1404.2 of the IBC, or Section R703.2 of the
IRC.

The Tyvek HomeWrap—Style 1055B, StuccoWrap—Style
1062X, DrainWrap®—Style 1063X and
CommericalWrap—Style 1162B weather-resistive barriers are
equivalent to Grade D paper specified in UBC Standard 14-1.
These products have a 60-minute water-resistance rating and
are not considered vapor retarders under Section 1403.3 of
the IBC and Section R322.1 of the IRC.

2.2 EIFS Wall Covering Assembly with Drainage:

The assembly described in this section satisfies Section
5.2.3, Item 9, of the Acceptance Criteria for Exterior Insulation
and Finish Systems (AC24), dated April 2001. This assembly
is limited to Type V construction, and may be used in Group
R, Division 1 and 3, Occupancies. The system consists of
minimum 7/16-inch-thick (11.1 mm) Exterior or Exposure 1
plywood, or Exposure 1 OSB applied to wood studs spaced
16 inches (406 mm) on center and fastened in accordance
with Chapter 23 of the UBC or the IBC, or Section R604 of the
IRC. Vertical board edges must butt over studs. DuPont
Tyvek® StuccoWrap® is applied with minimum 2-inch-wide (51
mm) laps, which are then taped with DuPont Tyvek 2 inch
Weatherization System Tape. Minimum 1-inch-thick (25 mm)
flat or grooved face Type I expanded polystyrene (EPS),
recognized in a current ICC-ES evaluation report as
complying with ASTM C 578-95, is placed over the
StuccoWrap and fastened to the wood sheathing along EPS
edges and midway between horizontal EPS edges. The
fasteners are spaced 24 inches (610 mm) on center along
EPS edges. For midway locations, fasteners are spaced up
to 16 inches (406 mm) and must be within 16 inches (406
mm) of horizontal edges. Fasteners consist of wood screws
sized to meet wind resistance requirements, penetrating 1/4
inch (6.4 mm) through sheathing and placed through
minimum 1.75-inch-diameter (44.5 mm) plates or washers. A
weep screed, as set forth in Section 2506.5 of the UBC or
2512.1.2 of the IBC, is required. The EIFS base coat, fabric
and finish coat are then applied over the EPS in accordance
with the applicable ICC-ES evaluation report.

2.3 Identification:

Each roll of Tyvek HomeWrap—Style 1055B,
StuccoWrap—Style 1062X, DrainWrap®—Style 1063X and
CommercialWrap—Style 1162B is identified by a label
bearing the product name, the name of the manufacturer (E.I.
DuPont de Nemours & Co., Inc.), the evaluation report
number (ER-4000), the width of the roll, and the lot numbers.

3.0 EVIDENCE SUBMITTED

Data in accordance with the Acceptance Criteria for Weather-
resistive Barriers (AC38), dated July 2000; and with the
drainage requirements of the Acceptance Criteria for Exterior
Insulation and Finish Systems (AC24), dated April 2001.

*Revised December 2005

ICC-ES legacy reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



4.0 FINDINGS

That the products described in this report comply with the 1997 *Uniform Building Code*[™] (UBC), the 2000 *International Building Code*[®] (IBC), and the 2000 *International Residential Code*[®] (IRC), subject to the following conditions:

4.1 Products are installed in accordance with this evaluation report and the UBC, IBC or IRC, as applicable.

4.2 Use of StuccoWrap in an EIFS wall covering assembly with drainage, as described in Section 2.2, is specifically recognized in a current EIFS evaluation report.

4.3 The assemblies noted in Section 2.2 are limited to Type V construction.

This report is subject to re-examination in two years.