

# HAL-TEX "COR-PLY"

# 2-PLY

## CORRUGATED BUILDING PAPER "THE NEW STANDARD FOR WALL PROTECTION"

### DESCRIPTION

A two-ply breather-type grade "D" asphalt kraft Building Paper which has *one corrugated ply* laminated to one smooth ply. This product is intended for use on building walls beneath the external finish as a *self-draining* building envelope material. The corrugated-ply provides *vertical channels* for easy drainage of incidental moisture. COR-PLY is intended for use in regions where a full rainscreen cavity (10 mm) is not a code requirement, but where better moisture protection for walls is desired. Exceeds 60 minute rating by a factor greater than 3.

### USES AND BENEFITS

Intended for use on walls beneath stucco, stone or other types of wall finish where a separating drainage gap is desired between the structural wall surface and the external finish. COR-PLY combines three very effective ways to keep a wall dry:

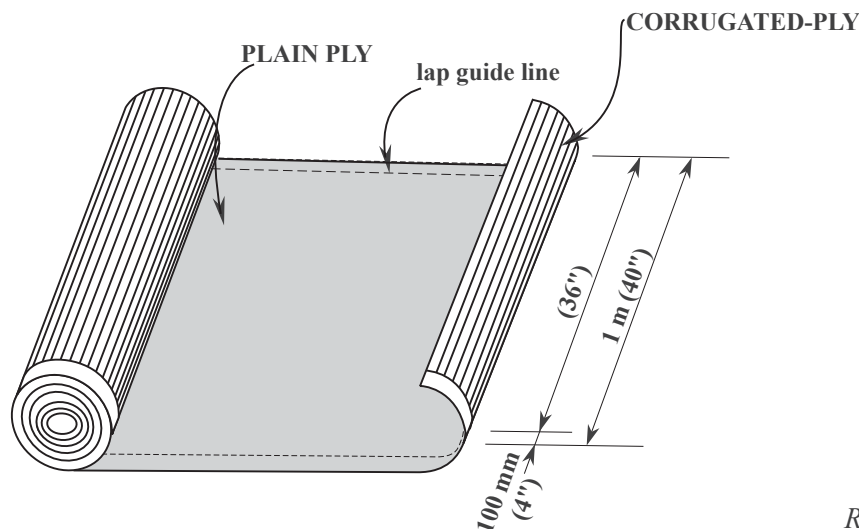
1. **PHYSICAL SEPARATION** of the outer wall finish from the wall sheathing to reduce moisture ingress by capillary action or wicking.
2. **DRAINAGE PATHWAYS** for improved downward flow of any moisture which may bypass the outer wall finish through incidental points of entry, and
3. **EASIER VAPOUR RELEASE** from behind the wall cladding via channels vented to the atmosphere.

### TECHNICAL DATA

Width: 1 m (40") nom., 36" coverage.  
Thickness: 2.9 mm nom. - B Flute  
3.8 mm nom. - C Flute  
Sheet Size & Coverage: 1m x 15m nom. coverage/roll = 36" x 50' (150 ft<sup>2</sup>) - 20 rolls/ box B Flute  
18 rolls/ box C Flute

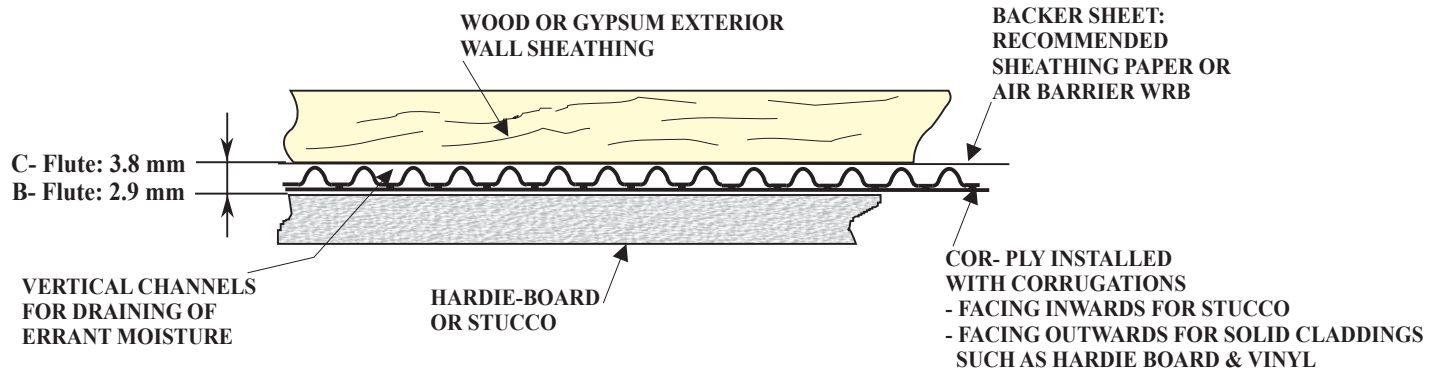
Water Vapour Permeance: > 3.0 metric perms 264 ng/pa.sec m<sup>2</sup> (ASTM E96)  
Water Resistance: 230 minutes (UU-B-790a)  
Compliance: 2012 & 2009 IBC & IRC codes.  
Each ply conforms to CAN 2-51.32 M77 & UU-B-790a, grade D.  
Listed under CCMC # 11479-L and ICC-ES # ESR - 2829

**FIGURE 1**  
**COR-PLY**



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**FIGURE 2: COR-PLY cross section shown "FULL SIZE"  
in wall assembly**

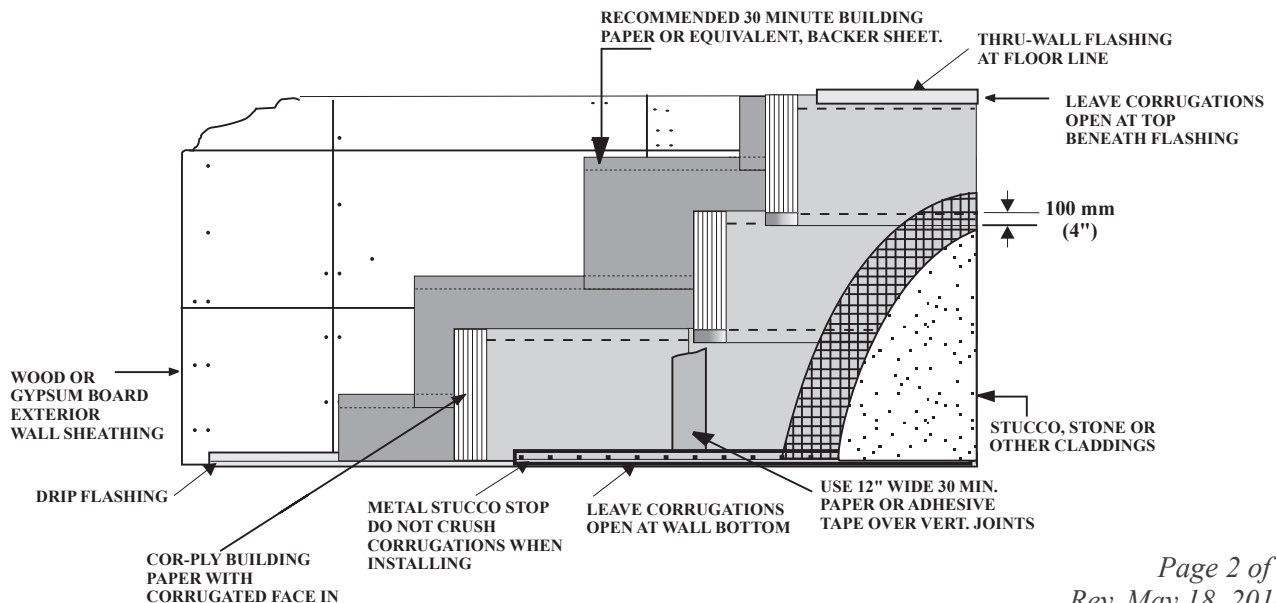


**OPTION 1: FOR STUCCO OR STONE FACINGS - INSTALLATION GUIDE**

- a. First cover the entire wall with one layer of a code - compliant weather resistant barrier (WRB) such as 30 minute building paper or a synthetic air barrier. Tie-in at windows to window flashings. Install drip flashings at wall bottom and at each floor line for moisture removal.
- b. Secondly install Cor - Ply with corrugations facing **INWARDS** as shown on diagram Fig 3. Use 3/8" long staples preferably driven with a hand stapler. The edge flap of higher sheets should overlap lower sheets in shingled fashion as shown.
- c. Only install as much Cor - Ply as can be covered with wire lath each day, to avoid wind damage.
- d. Install wire lath or expanded metal lath as usual then follow with a troweled stucco scratch coat. Once cured, install a finish coat of stucco or stone facing.

Follow appropriate building code for jurisdiction of use. Seek advise from a qualified building envelope professional for more complicated projects.

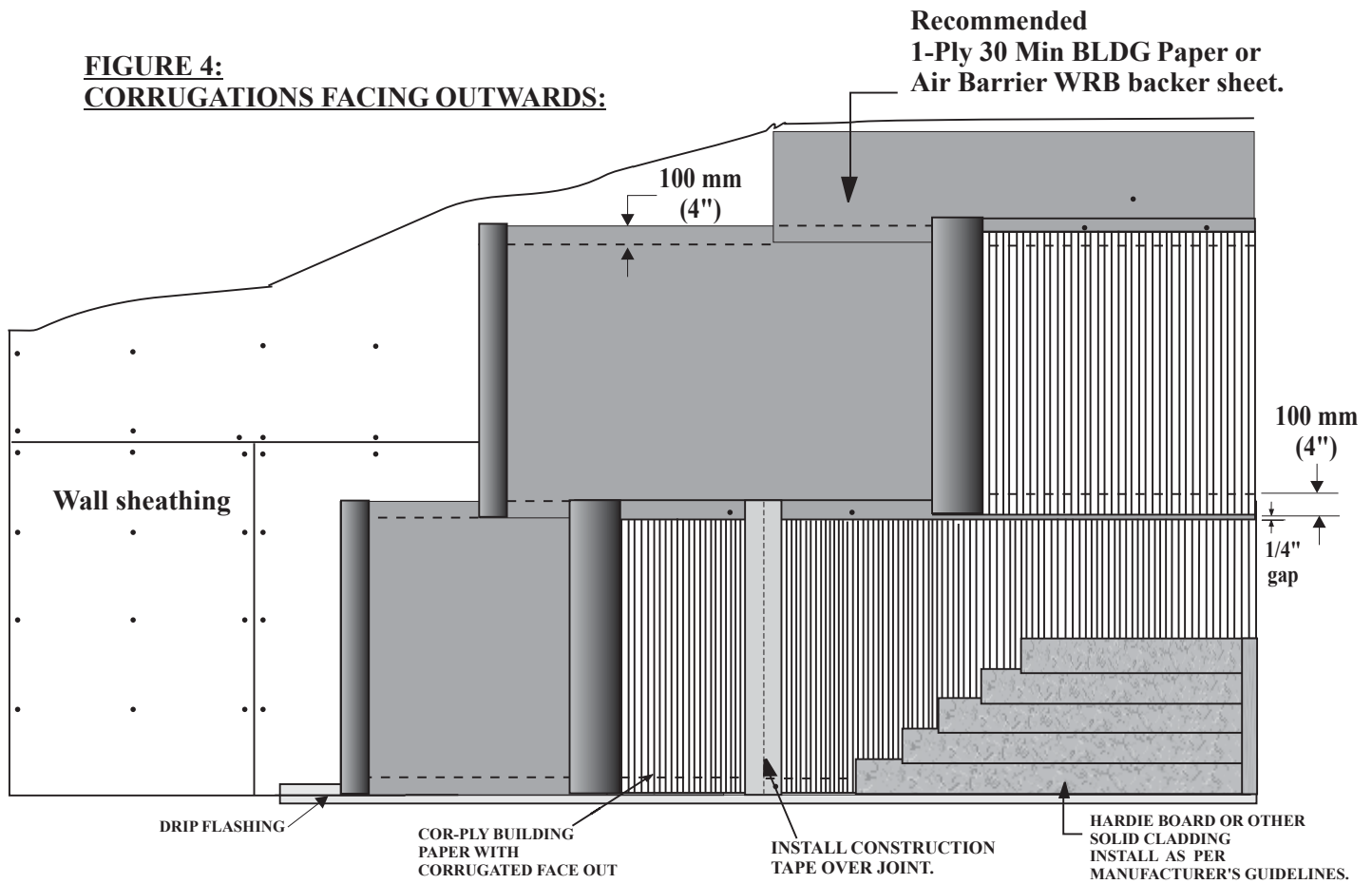
**FIGURE 3:  
CORRUGATIONS FACING INWARDS:**



**OPTION 2: FOR HARDIE, VINYL OR OTHER SOLID SIDINGS -  
INSTALLATION GUIDE**

- a. Optional: First install a single ply of code - compliant WRB backer sheet over the wall if required by local code or design authority. Install drip flashing at wall base and at each floor level for moisture removal.
- b. Then install Cor - Ply with corrugations facing **OUTWARDS**.  
In this case the edge - flap will face upwards and each higher ply should overlap the edge flap in shingled fashion for positive drainage. All vertical joints shall be covered with a self-adhered construction tape such as Tuck - tape or equivalent. See Fig. 4.
- c. At windows or other openings, install Cor - Ply to achieve positive drainage of errant moisture. Generally Cor - Ply should be tucked beneath the membrane weather - flashings at sill and sides, and over the flashing at the top.
- d. Install Hardie board or other solid cladding material according to manufacturer's guidelines.

**FIGURE 4:  
CORRUGATIONS FACING OUTWARDS:**



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