



# TSQ250/TSFQ250

Fanfold Underlayment  
(Insulation US & CA)



**For use in replacement siding operations to provide a level surface over old siding, add insulation and weather protection**

- Lightweight, durable, cuts clean and easy with no loose foam beads
- Convenient 4' x 48' fanfold
- XPS performance... economical price
- Perforated to allow moisture vapor to escape
- Less than 16 lb. per 200 sq. ft. bundle
- TSFQ250 has reflective surface on one side for added energy efficiency



# TSQ250/TSFQ250

## Fanfold Underlayment (Insulation US & CA)

### Description

TopShield® TSQ250 Siding Underlayment comprises 0.2" thick closed-cell extruded polystyrene (XPS) in fanfolded bundles 4' x 48'. It is lightweight and easy to cut and install. It is designed to be used as a "leveling board," adding insulation and moisture protection in installation of new vinyl siding over old siding.

TopShield® TSFQ250 Siding Underlayment has the added feature of a reflective surface on one side for added energy efficiency.

### Compliance

Intertek CCR-1022;  
CA BEARHFTI Lic. No. T 1506;  
Canada CCMC 12764-R;  
UL Listings - R11183



### Handling & Storage

When stored outdoors, XPS should be protected from exposure to direct sunlight using the original packaging or an opaque, light-colored tarp. XPS that has been unwrapped should be covered or rewrapped. XPS left exposed should be covered within 60 days to minimize UV damage. Once the exposed XPS is covered, the damage stops and is limited to the thin layer of cells on the surface that was exposed to the UV. XPS cells below the UV exposed surface layer are generally undamaged and the XPS overall performance remains intact.

**WARNING:** This product is combustible. A protective barrier or thermal barrier is required as specified in the appropriate building code. Protect it from exposure to open flame or other ignition sources during shipping, storage and installation.

### Health & Safety

TopShield® TSQ250/TSFQ250 Siding Underlayment is made of synthetic materials that are generally not recognized as providing a food source for insects, fungus, mold or mildew. It should always be properly installed and stored. For detailed safe handling and safety information, refer to product SDS.

The product should not be used as an exposed interior surface in buildings where people can be expected to be present. An approved fire protection barrier, such as ½" gypsum wallboard or equivalent, should be applied between this product and the interior of such buildings. Fire and building codes should be followed.

All assemblies should be evaluated for effectiveness and location of vapor retarders to avoid condensation and subsequent damage to structures (ASHRAE Handbook of Fundamentals). Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

**WARNING:** Do not stand on or otherwise support your weight on this product unless it is fully supported by a load bearing surface.

### PRODUCT DATA

PROPERTY	TEST METHOD	VALUE	
		TopShield® TSQ250 Siding Underlayment	TopShield® TSFQ250 Siding Underlayment
<b>GENERAL</b>			
Nominal Thickness (in)		0.2	0.2
Nominal Width (ft)	ASTM F606-10	4	4
Nominal Length (ft)	FM 4470, DIN 50018	48	48
<b>THERMAL</b>			
Thermal Resistance, R-value <sup>1</sup> (°F-ft <sup>2</sup> -hr/Btu per inch thick)	ASTM C518 (@75°F Mean Temperature)	0.9	2.9 <sup>3</sup>
<b>FIRE &amp; SMOKE</b>			
Flame Spread <sup>2</sup>	ASTM E 84 / UL723	10	40
Smoke Developed <sup>2</sup>		140	400

<sup>1</sup> Specimens are aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C 578.

<sup>2</sup> These numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by this material under actual fire conditions. All applicable building codes must be followed.

<sup>3</sup> System R-value is calculated in accordance with the "ASHRAE Handbook of Fundamentals" using a ½" uniform parallel dead air space. The R-Value of this product installed without an air space is 0.9.

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Manufactured exclusively for TopShield® by Kingspan Insulation LLC.

For more information on specific building product recommendations and installation guidelines, contact your TopShield® representative.

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