



# UniverSeal US-100

## LIQUID TAPE

### Polyether Sealant, Vertical Seam Sealer

#### Key Properties

- Compatible with all of York's flashings
- Compatible with concrete, brick, and masonry
- Compatible with foam board & exterior gypsum sheathing
- No VOCs (volatile organic compounds)
- No solvents

#### Description

**UniverSeal US-100 LIQUID TAPE** is a polyether-based, moisture-curing, elastomeric sealant. It forms a seamless, monolithic exterior working surface that will keep the structure watertight. Its distinctive blue color allows for quick & easy visual verification that all seams and gaps have been effectively sealed from wind and rain.

**UniverSeal US-100 LIQUID TAPE** is a non-shrinking, 100% solids, moisture-cure polymer and contains no solvents and trace amounts of VOCs. It skins in one hour, cures completely in three to seven days (cure rate varies with temperature and relative humidity), and is paintable within 24 hours.

#### Uses

**UniverSeal US-100 LIQUID TAPE** is for use on ASTM C 1177 exterior gypsum sheathing (Dens Glass Gold®), Foamular®, Styrofoam®, EPS, fiber-board, and plywood construction materials. It can be left exposed for up to 6 months. It is compatible with asphaltic materials. **US-100** is also recommended for use as a term bar sealant with all of York's flashings and in that application can be applied over the air barrier coatings and is also appropriate for use with masonry backup walls.

**UniverSeal US-100 LIQUID TAPE** incorporated into the project allows compliance with International Energy Conservation Code (IECC) mandatory requirements to seal the building envelope (seal all joints between construction material) (Section 502.4.3), mandatory Air Leakage control (Section 502.4) and mandatory Moisture Control (Section 502.5).

#### Technical Data

- Elongation ASTM D412/C1135 200%
- Viscosity: non-slump, gun grade mastic 750, 000 cps @ 72°F
- Skin Over Time: 25 minutes @ 72°F 40% RH
- Set time (60mil film): 1 hour @ 72°F 40% RH
- Appearance: lightly textured, distinctive blue color
- Density: specific gravity = 1.1 or (8.0# / gallon)
- Durometer: 27 Shore A
- Odor: mild mint ester
- VOCs: 15.7 grams per liter
- Solids: 100%
- Exposure: 6 months
- Packaging: Quart tubes, 12 tubes to a carton

#### Approved for use with polystyrene by:

- Dow
- Kingspan Greenguard
- Owens Corning Foamular

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## Application:

- Surface must be clean & free from dirt, oil & debris
- Do not apply below 32°F (0°C), due to frost
- Do not apply the membrane to a substrate that has absorbed water
- Maintain **US-100** at room temperature before applying

**UniverSeal US-100 Liquid Tape** is a Polyether based, moisture-curing, elastomeric, seam sealer for use on gypsum board cladding, Foamular®, Styrofoam®, EPS, fiber-board, plywood, masonry construction materials, and many other substrates.

**UniverSeal US-100 Liquid Tape** forms a seamless, monolithic exterior working surface that will keep the structure watertight. Its distinctive blue color verifies that all the seams and gaps have been effectively sealed from wind and rain.

**UniverSeal US-100 Liquid Tape** is solvent free and will not shrink when tooled in place. It does not contain any Polypropylene Glycol.

**UniverSeal US-100 Liquid Tape** is very fast setting and develops most of its properties within forty-five minutes after application. It becomes tack free in twenty minutes. It cures to a firm rubber seal in one hour. For best finishing performance do not allow un-tooled beads to stand for more than ten minutes. May be left exposed for up to 6 months.

Before applying an air barrier coating **UniverSeal US-100 Liquid Tape** is installed over caps in adjacent wall cladding, sheathing, and insulation board. Do not apply over air barrier coatings or other functional coatings without first testing adhesion.