TECHNICAL DATA SHEET

VORTEX

Quad-Cure® Liner FlexiLiner | 90

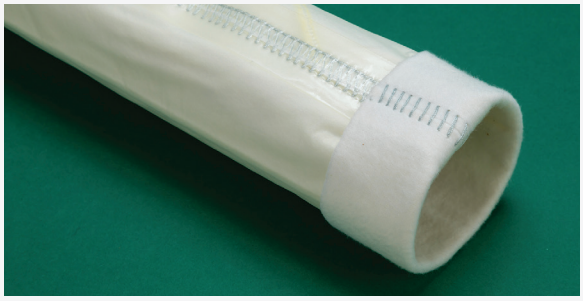
BY VORTEX

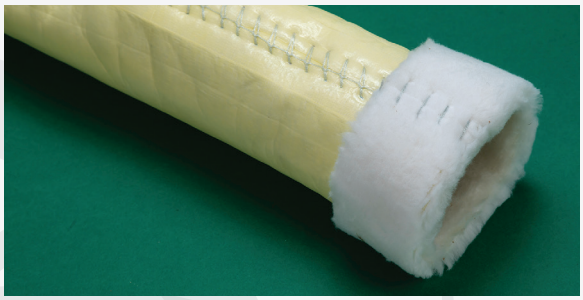
AVAILABLE MANUFACTURER LENGTHS

- 165 and 330 ft. lengths in stock (+/-)
- Longer lengths available

APPLICATIONS

- Multiple bends up to 90° with minimal wrinkling
- Transitions
- Ease of inversion
- Pull-In-Place





Needle Punched Felt Liner Up To 90° Bends

DESCRIPTION

Non-woven, needle punched PE felt, uniquely bonded to an impermeable PU coating with special stitched seam. Highly flexible, single-layer liner, capable of navigating multiple bends up to 90° and transitions.

DIAMETER RANGE

2” and larger

THICKNESS

4.5 mm

COATING

Polyurethane

CARRYING MATERIAL

Stitched seam bonded Polyester felt

RECOMMENDED CURING METHOD

Heat curing between 120°F - 176°F

RESIN COMPATIBILITY

Use with Quad-Cure® resin and hardener from the Quad-Cure® Liner System.

INSTALLATION

Inversion

QUADEX® A VORTEX COMPANY | REPAIR MATERIALS

STORAGE/HANDLING

Avoid extremes of temperature. Freezing may cause the coating structure to degrade locally, especially areas where the coating is in tension or compression – at bends and edges, and immediately adjacent to seam welds. Recommended storage temperature 40°F – 95°F. Shelf life at this temperature: in excess of 1 year.

AVOID EXTREMES OF HUMIDITY

Very high relative humidity (especially at high temperature such as tropical countries) will accelerate the degradation, consequently reducing the shelf life. Recommended storage humidity 25% rh – 65% rh. Shelf life at 65%, 95°F: 1 year.

AVOID PROLONGED WET STORAGE

As with high humidity, the coating is more susceptible to degradation at higher temperatures, and even further susceptible if pH of liquid in contact is significantly above or below 45°F. Wet storage is not recommended.

INSTALLATION

Pre-stretch before measuring. Installation Air Pressure: 5 to 6 psi (may need additional pressure to invert around bends). Heat & Ambient Curing Pressure: 5 to 6 psi. Restrain unsupported material when upsizing. Vacuum level shall meet or slightly exceed Installation and Curing pressure.

AVOID DIRECT SUNLIGHT OR INCIDENT UV RADIATION

Prolonged exposure to ultra violet light will accelerate the degradation of the PVC coating. Store away from direct sunlight, preferably in dark conditions.

MECHANICAL DAMAGE SHOULD BE AVOIDED

- **Ensure that hose is not placed directly onto grit or gravel floor – sweep and cover floor first.**
- **Ensure personnel are instructed not to walk on the hose.**
- **Handle with care.**
- **Ensure any rollers are clean, and the hose is not in contact with any sharp edges or snags anywhere during use.**

CHEMICAL ATTACK

Avoid prolonged contact with solvents and chemicals.

This product information sheet gives general information. Exact coating type and thickness depend on the specific types of resin being used. Please contact our technical team for specific advice.