TANK INSULATION

We spray a closed-cell polyurethane foam directly onto the outside of the tank. Our standard coat is 2" thick, and we can apply 3" or 4" when you need more. The foam is then sealed with a white elastomeric mastic that blocks UV light and stretches as the tank expands and contracts.

Insulation keeps the liquid closer to the temperature you want, cuts the load on heat trace and protects outdoor tanks from freezing.

R-6.7	R-13+	98%
per inch	Standard 2" coat	Closed cell



Insulated vertical tank



Cone bottom

WHY CUSTOMERS CHOOSE IT

- **Closed-cell foam**
  Will not absorb water or let it pass through, so it keeps insulating outdoors.
- **Flexible UV coating**
  White elastomeric mastic protects the foam from sunlight and moves with the tank.
- **Thicker when needed**
  2" standard; 3" or 4" for colder climates or tighter temperature control.
- **Bonded to the tank**
  Sprayed on with no seams or gaps for water to get behind.
- **Pairs with heat trace**
  Heat pads go on first and the foam covers them, so a small system holds temperature.
- **Easy to touch up**
  Scuffs from shipping repair with canned closed-cell foam and an elastomeric roof coating.

FOAM PROPERTIES

Type	Two-component closed-cell spray polyurethane
R-value	6.7 per inch (6.9 per inch at 4")
Core density	2.0–2.3 lb/ft³
Closed cell content	98%
Compressive strength	26 psi
Water absorption	0.6% by volume
Flame spread	25 (ASTM E84, Class I)

COATING & OPTIONS

Standard thickness	2" foam (R-13+)
Optional	3" (R-20) or 4" (R-27)
Top coat	White elastomeric acrylic mastic for UV protection
Fittings	Foam is cut back around fittings, lids and lugs
Heat trace	SPX pads and 2XTC controller, installed under the foam
Touch-up	Closed-cell canned foam plus elastomeric roof coating

Foam properties are typical values from the BASF SPRAYTITE® 178 technical data sheet. Actual values vary with application conditions.

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