



# Speedline® 25/50 Smoke-Safe™ PVC

## Specification Data

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#### Hot Systems:

All piping fittings shall be insulated by filling the total void over all fittings, between straight runs of pipe insulation, with Speedline die-cut fiberglass insulation, forming a uniform insulation thickness equal to, or exceeding, the adjacent pipe insulation.

Finish all insulated pipe fittings by applying Speedline® Smoke Safe™ PVC Fitting Covers overlapping the adjacent pipe insulation outer covering. Secure the Speedline® Fitting Covers with Speedline® Stainless Steel Tack Fasteners, Speedline® PVC Tape or by welding PVC overlaps with Speedline® Solvent Weld Adhesive. Caution should be exercised to be sure that the insulation surface temperature is maintained below 150°F (66°C) through the application of sufficient insulation under all PVC Covering.

#### Cold Systems:

All piping fittings shall be insulated by filling the total void over all pipe fittings, between straight runs of pipe insulation, with Speedline® die-cut fiberglass insulation, forming a uniform insulation thickness equal to, or exceeding, the adjacent pipe insulation.

Finish all insulated pipe fittings by applying Speedline® Smoke Safe™ PVC Fitting Covers overlapping the adjacent pipe insulation outer covering. The overlap of the throat of the PVC Fitting Cover and the ends of the Fitting Cover overlapping the adjacent pipe insulation vapor barrier jacketing shall be vapor sealed with a compatible vapor barrier mastic. The ends of the PVC Fitting Cover overlapping the adjacent pipe insulation shall be further sealed by an outer wrapping of Speedline® PVC Tape. The PVC Tape should extend over the adjacent pipe insulation vapor barrier jacketing and overlap its own circumferential juncture by at least two inches in the downward direction on the downward side.

### Chemical Resistance:

#### Inorganic Acids:

Sulfuric, nitric, hydrochloric, hydrofluoric (diluted or concentrated) ..... Excellent

#### Organic Acids:

Formic, acetic and propionic ..... Poor

#### Alkalies:

Sodium and potassium hydroxides ..... Excellent

Ammonium hydroxide ..... Excellent

Caustic Soda ..... Excellent

Soda Ash ..... Excellent

#### Miscellaneous Corrosive Chemicals:

Phenol, resorcinol and creosol ..... Poor

Iodine, crystals ..... Fair

Iodine, tincture ..... Excellent

Chlorine and bromine water ..... Excellent

Potassium dichromate ..... Excellent

Silver nitrate ..... Excellent

Tannic acid ..... Excellent

#### Solvent and Dilutents:

Alcohol and polyalcohols, including ethyl methanol, butanol and isopropyl alcohol ..... Excellent

#### Ketones:

Lower boiling ketones ..... Dissolves

Higher boiling ketones ..... Swells

#### Ethers:

Ethyl ..... Softens

Dichlorethyl ether ..... Swells

Diethyl cellosolve ..... Swells

Dioxane ..... Dissolves

Propylene oxide ..... Dissolves

#### Hydrocarbons

Aromatics as gasoline, kerosene and petroleum oils ..... Excellent

#### Oils, Fats and Waxes:

Animal, mineral and vegetable ..... Excellent

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