

TECHNICAL DATA SHEET
STYLE No. **SD 2700-121**

**GENERATOR END SHIELD
CHANNEL SEALANT**

Superior Seals,
Exceptional Service



4400 Walden Avenue, Lancaster, NY 14086
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STYLE SD 2700-121

- is a single component non-curing elastomeric sealant material designed to be injected into channels to form a watertight seal. It is designed to survive harsh environments where most conventional sealants fail. It is highly resistant to contact with solvents, fuels, oils, and many industrial chemicals.

- is custom engineered to provide ease of installation with high pressure automated equipment. With a high tack rate, this product will adhere well to most substrates without need of a primer. The adhesion to most metals is higher than the cohesive strength of the product.

- is not dependent on atmospheric moisture or heat to cure, and will remain in deep thick sections with minimal shrinkage and no cure by products. This product is intended to remain in a putty-like state indefinitely, and will swell slightly when in contact with most fuels, tightening the seal in service.

-will not clog or harden while in storage in the pumping unit or high pressure hoses when proper maintenance procedures are followed.

-has a shelf life of 48 months when stored below 90°F in its original unopened container

TYPICAL APPLICATIONS

SD 2700-121 is effective in sealing Electric Power Generator End Shield channels on Power Generation stations requiring weather resistance and temperature extremes. It has a continuous use temperature range of -50°C to >200°C and is not affected by UV or other environmental factors.

LIMITATIONS

SD 2700-121 is a very high viscosity gel and requires specific high pressure pumping equipment. Standard ambient pumping units may not develop enough fluid pressure to properly inject the sealant at lower temperatures.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications:

Physical Form		Heavy Putty
Base Elastomer		Fluorosilicone
Specific Gravity		1.37
Color		White
Viscosity	Centipoise	1,500,000
Fuel Resistance	JP-4	12
7 Day Immersion	JP-5	12
@ 80°C (% Swell)	Jet Reference Fuel	30
Cure Time @ 67°C	Hours	Does not cure
Thermal Conductivity	Watts/Meter °K	.28

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Packaging

SD2700-121 is available in specially designed straight wall pails to allow for bulk pumping direct from the pail. Pail quantities of 22.6 KG, 11.3KG, and 7.53KG per pail are available. **SD2700-121** is also available on special request in 6 oz SEMCO cartridges.

PRODUCT TECHNICAL SUPPORT

For technical support of **SD2700-121** contact the Engineering Department at Sealing Devices Inc.

Sealing Devices Inc

4400 Walden Ave
Lancaster, NY 14086
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RECOMMENDED EQUIPMENT

In order to properly inject **SD 2700-121** into the sealant channel, a specially designed high pressure injection pump is required.

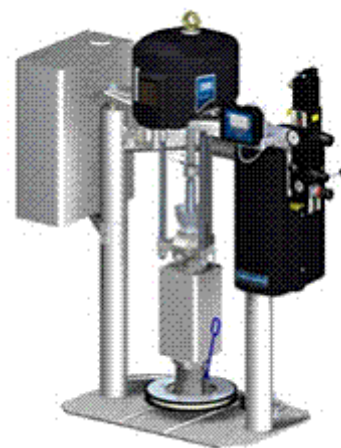
A customized Graco Warm Melt supply unit with Automatic Thermal Expansion Relief Valve P/N **WM2L4H-SPERTVV-TRANS** is available through Air Power Inc.

Air Power Inc.

1430 Trinity Avenue
High Point, NC 27262-5406
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