



TECH DATA SHEET

1. PRODUCT NAME

Constant Pressure Dispensing System (CPDS™ Series 2).

Item # 4505500150

2. MANUFACTURER

Convenience Products
866 Horan Dr., Fenton, MO 63026 USA

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3. PRODUCT DESCRIPTION

The Touch 'n Seal® CPDS Series 2 is an inexpensive, low maintenance dispensing mechanism that, when used according to manufacturer's directions, applies Class I fire retardant, thermal insulating and sound attenuating 2-component polyurethane spray foam. Touch 'n Seal spray foam is permanent and dries within minutes of application.

The Touch 'n Seal CPDS Series 2 uses disposable chemical cylinders and dispenses polyurethane spray foam using a unique air compressor, system controls and standard 120V electrical supply. In the absence of electricity, the system may be operated using dry pressurized nitrogen or compressed air.

Using a constant delivery rate, the CPDS Series 2 applies polyurethane spray foam to horizontal/vertical surfaces up to 150' away (46 meters). Chemical calibration is not required.

At approximately 24.5"W x 33"D x 48" H (62 x 84cm) the Touch 'n Seal CPDS Series 2 is small enough to be transported in a standard pick-up truck, and fits easily through most doors and entrances. The empty unit weighs less than 155 pounds (70 kg).

Basic Use

The CPDS Series 2 provides many of the features of a "bulk" spray foam system when used with Touch 'n Seal CP660 FR, CP750 FR and CP1200 FR 2-component foam kits. Touch 'n Seal foams offer superior insulation performance, protect against energy-robbing air infiltration, and retard vapor migration while reducing home and commercial building energy consumption.

Sizes

(CP660 FR Foam Kits, # 4505500660)
660 board feet (61.3 m² @ 25 mm) @ 2.0 pcf density (32 ± 3.2 kg/m³)

(CP750 FR Foam Kits, #4505500750)
750 board feet (69.68 m² @ 25 mm) @ 1.75 pcf density (28.03 kg/m³)

(CP1200 FR Foam Kits, # 4505501200)
1200 board feet (111.5m² @ 25mm) @ 1.0 - 1.25 pcf density (16.0 – 20.0 kg/m³)

Features/Benefits (CP750 FR and CP1200 FR Foam Kits)

- Class 1, fire retardant foam
- Easy to transport
- No expensive maintenance
- Low investment cost
- No deposit/No return
- Reduces energy loss by as much as 40%

- Reduces use of fossil fuels and improves air quality
- Permanent insulation; does not shrink or settle like cellulose; maintains air seal
- Compatible with all fiber insulation systems including cellulose, fiberglass and rockwool
- No Ozone Depleting Chemicals
- Helps to reduce Green House Gas Emissions
- Expands to fill smallest to largest gaps, cracks and holes, reducing air exchanges
- High R-value
- Open and closed cell formulas
- Allows for down-sized HVAC systems; uses less energy, fewer cycle times, more consistent "comfort level", reduces equipment maintenance
- Significantly increases structural strength; important in high wind situations (per the Spray Polyurethane Foam Alliance)

Limitations (CP660, CP750 FR and CP1200 FR Foam Kits)

- Not for use as an exterior roofing system.
- Do not expose to temperatures above 250°F (121°C), open flames or sparks.
- Not for exposure to ultraviolet light.
- Chemical contents must be 70°F - 90°F (21° - 32°C) prior to spraying.
- Do not store in temperatures above 120°F (49°C).
- Always refer to local building code regulations.
- Certain structures such as cold storage and freezers have very specific design criteria. Ensure the structure has been designed by an appropriate design professional.
- Do not apply in layers more than ½" thick (12 mm) at a time. Allow foam to cool between the application of additional layers.
- Product is not a fire stop.
- Do not leave product exposed. Cover with approved facings

4. TECHNICAL DATA (CP660, CP750 FR and CP1200 FR Foam Kits)

Applicable Standards

- ASTM G21 Fungi Resistance
- ASTM E84 Surface Burning Characteristics
- ASTM E96 Water Vapor Transmission
- ASTM E 283 Air Permeance
- ASTM C518 R-Value
- ASTM D1621 Compressive Strength
- ASTM D1622 Density
- ASTM D1623 Tensile Strength
- ASTM D2126 Thermal and Humid Aging – Dimensional Stability
- ASTM D6226 Closed Cell Content

Approvals/Certifications

- International Residential Code
- California Bureau of Home Furnishings and Insulation (CP750 FR)

Physical/Chemical Properties

See Table 1. Test data available upon request.



Fire Performance

- See Table 1

Shelf Life

1 year in unopened container when stored between 60° - 90°F (16° - 32°C), in a dry, well ventilated area.

Storage & Disposal

Keep containers tightly closed in a cool, well-ventilated area. Ideal storage temperature is 60° - 90°F (16° - 32°C). Storage above 90°F (32°C) will reduce shelf life. Do not store at temperatures above 120°F (49°C). Do not expose containers to conditions that may damage, puncture, or burst the containers. Dispose of leftover material/containers in accordance with federal, state and local regulations. See Material Safety Data Sheet for more information.

5. INSTALLATION / APPLICATION

Please refer to CPDS Series 2 Installation, Set Up and Operation Instructions" found inside the "A" canister carton or request a faxed set of these instructions by calling Customer Service at 800-325-6180.

Always refer to local building codes prior to application of Touch 'n Seal spray foam. Touch 'n Seal spray foam can be applied to and will adhere to almost any traditional building material surfaces including; wood, concrete, polystyrene, gypsum board, fiberboard, masonry and metal.

Surfaces to be sprayed must be dry, clean and free of dust, dirt, grease and other substances that may inhibit proper adhesion.

For best results apply Touch 'n Seal spray foam when surface and ambient temperatures are between 60° - 90°F (16° - 32°C). Chemical contents must be between 70° - 90°F (21° - 32°C) before dispensing. Use all chemical contents within 30 days of initial dispensing.



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Keep out of reach of children. Always wear proper personal protective equipment, including head covering, gloves, clothing, eyewear and respirator. Use in well-ventilated area.

6. AVAILABILITY & COST

Availability

Touch 'n Seal CPDS Series 2 units and spray polyurethane foams are available throughout the U.S., Canada, Mexico and the world. Contact Convenience Products Customer Service at 800-325-6180 or FAX 636-349-1708 for distributor information.

Cost

Contact Convenience Products for local distributors who can provide cost and delivery information.

7. WARRANTY

Convenience Products warrants its CPDS Series 2 to be free of defects in workmanship and function.

Further, Convenience Products provides a limited, six (6) month warranty on the CPDS Series 2 air compressor, wheels, and canisters if the CPDS Series 2 is used in the manner intended. Such limited warranty is for replacement of the listed items.

Convenience Products is not liable for any incidental, consequential or any other damages or remedies. There are no warranties that extend beyond the description herein, however, certain states have specific laws regarding limitation on incidental or consequential damages, in which case, you may have other legal rights.

8. MAINTENANCE

Minor. See owners' manual.

9. TECHNICAL SERVICE

Technical assistance, including detailed information, product literature, test results, assistance with preparing project specifications and application training is available by contacting Convenience Products.

10. FILING SYSTEMS

Additional information is available from the manufacturer upon request.

Patent Pending

Constant Pressure Dispensing System (CPDS Series 2).

The information contained herein was accurate at the time of publishing. Please refer to the Touch 'N Seal website for the latest information.

PROPERTIES OF TOUCH 'N SEAL SPRAY POLYURETHANE FOAM

	CP1200 FR (Open Cell)	CP750 FR (Closed Cell)			CP660 FR (Closed Cell)
Shelf Life	1 year; unopened container	1 year; unopened container			1 year; unopened container
Output	1200 board feet (111.5 m ² @ 25 mm)	750 board feet (69.68 m ² @ 25 mm)			660 board feet (61.3 m ² @ 25 mm)
Dry time/Tack Free Time	30 - 60 seconds	30 - 60 seconds			30 - 60 seconds
Typical Output - 30' (9 m) Hose	4 - 5 lbs/min. (1.8 - 2.3 kg/min.)	4 - 5 lbs/min. (1.8 - 2.3 kg/min.)			-----
Fully Cured	Approximately 1 hour	Approximately 1 hour			Approximately 1 hour
Cuttable	2 - 5 minutes	2 - 5 minutes			2 - 5 minutes
ASTM G21 Fungi Resistance	Does not support growth	Does not support growth			Does not support growth
ASTM E84 Surface Burning Characteristics @ 2" (51 mm)		Class 1 @ 2" (51mm) thick	Class 1 @ 3" (75mm) wide bead		
Flame Spread	10	25	10		20
Smoke Development	250	350	50		350
ASTM E96 Water Vapor Transmission	5.4 perms@ 1 in. (25 mm)	3.0 perms@ 1 in. (25 mm)			3.45 perms@ 1 in. (25 mm)
ASTM E 283 Air Permeance	0.003 cfm/ft ² @ 1"	0.001 cfm/ft ² @ 1/2"			0.0004 cfm/ft ² @ 1.57 psf 0.002 L/s/m ² @ 75 Pa
ASTM C518 R-Value - Initial	4.96 / in. (25 mm)	7.12 / in. (25 mm)			6.3 / in. (25 mm)
- Aged (28 days)	4.1 / in. (25 mm)	5.48 / in. (25 mm)			5.1 / in. (25 mm)
ASTM D1621 Compressive Strength	5 psi (0.92 kgf /cm ²)	13.1 psi (0.92 kgf /cm ²)			31.0/214 kPa
ASTM D1622 Density	1.0 - 1.25 pcf/16.0 - 20.0 kg m ³	1.75 ± .10 pcf (28.03 ± 1.60 kg/m ³)			2.0 pcf ± .2 pcf (32 ± 3.2 kg m ³)
ASTM D1623 Tensile Strength	N/A	38.23 psi (2.69 kgf/cm ²)			30.8 psi/212 kPa
ASTM D2126 Thermal and Humid Aging - Dimensional Stability	N/A	Linear	Mass	Mass	
-40°F (-40°C) 2 weeks		+0.05%	+0.10%	+0.10%	0.9%
158°F (70°C) 2 weeks		+1.90%	-2.95%	-2.95%	5.7%
Combined -40°F (-40°C) 2 weeks & 158°F (70°C) 2 weeks		+1.85%	-2.85%	-2.85%	1.6%
ASTM D-2842 Water absorption	3 - 4% by volume	N/A			2.7%
ASTM D6226 Closed Cell Content	< 10%	> 90%			> 92%
AC 377 Appendix X - Use in Attic & Crawl Spaces					Passed. Refer to independent laboratory test reports.
International Residential Code	Compliant	Compliant			Compliant
Coast Guard Title 33 CFR, Paragraph 83.114	N/A	N/A			Meets Criteria
California Bureau of Home Furnishings and Insulation	N/A	Filed			N/A

