

WELD-ON®



All Low VOC • All the Time

DUIT™ Electrical / Utility Product Guide



OUR COMPANY

Established in 1954, IPS[®] Corporation has consistently grown over the past 60+ years. Today, we are the trusted leader in manufacturing solvent cements, adhesives, and components for the plumbing, construction and plastic fabrication industries. Our core brands include **WELD-ON[®]**, **WATER-TITE[®]**, **TEST-TITE[®]**, **GUY GRAY[™]**, **TRUEBRO[®]**, and **STUDOR[®]**. Our quality products are manufactured with proven formulation and design using state-of-the-art equipment and manufacturing techniques.

Headquartered in California, IPS Corp. has operations throughout the United States, as well as China, and a worldwide network of sale representatives and distributors.

OUR COMMITMENT

IPS Corporation is committed to our customers in all aspects of our operation and in all functions of our company:

Quality products – We are committed to manufacturing quality products for professionals. In fact, our California facility is ISO 9001:2008 certified for its excellent quality management system. Our products are manufactured to the highest standards available and face stringent quality control tests prior to sale and distribution.

Excellent customer service – Our skilled team is readily available to help customers with product selection and ordering. We are experts in international shipping and our international customer service staff is certified in hazardous material shipment.

Professional technical service – Our technical specialists provide professional recommendations and product application/job-site installation training to suit the needs of our customers.

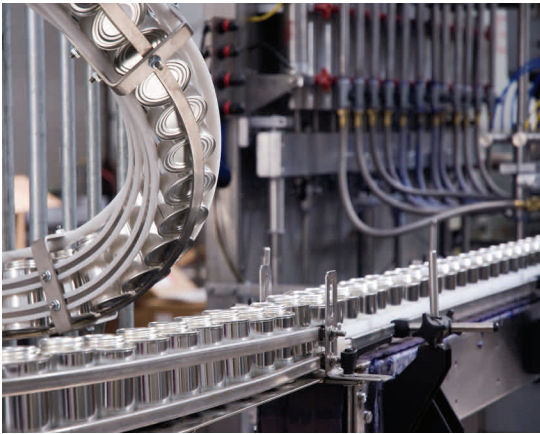
Expert R&D – Our research scientists and engineers have vast technical knowledge to develop the most technically advanced and innovative products to meet our customers' needs.





DUIT™ ELECTRICAL / UTILITY PVC SOLVENT CEMENTS BY WELD-ON

IPS® Corporation is the original innovator of Weld-On® solvent cements, primers and cleaners for PVC, CPVC, and ABS plastic piping systems. Our name is globally recognized as **the premium brand** of products for joining plastic pipes and fittings. We are committed not only to providing the best product performance, but to do so in the **most environmentally responsible** manner. All solvent cements, primers and cleaners **meet the requirements for Low VOC (volatile organic compound) emission limits** established by the California South Coast Air Quality Management District (SCAQMD), one of the nation's strictest air quality regulatory bodies. Low VOC emissions contribute to cleaner air.



Advanced automated filling and packaging lines for Weld-On products ensure fast, efficient and accurate completion of product orders.

WELD-ON® DUIT™ 400™ SERIES was developed to meet the professional needs of electrical contractors in assembling PVC electrical duct and conduit systems.

- High Quality Performance with excellent installation properties.
- User Friendly. Reduced fumes and odor for the comfort and well-being of pipe installers.
- Meets SCAQMD Rule 1168/316A — max VOC emission of 510 g/L for PVC solvent cement.
- Environmentally Responsible. LEED® Compliant (Leadership in Energy and Environmental Design). Credit can be gained through the use of Weld-On Low VOC products. This program, developed by the US Green Building Council, uses SCAQMD Rule 1168 as a benchmark for Low VOC products to earn one credit# toward LEED certification for green building.
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meets Underwriters Laboratories UL-651.

LEED Green Building Rating System For New Construction & Major Renovations Version 2.2 (Indoor Environmental Air Quality: EQ Credit 4.1 Low-Emitting Materials - Adhesives & Sealants)



DUIT™ PRODUCT SELECTION GUIDE

		NOMINAL PIPE SIZE																		
		in	mm	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30	
WELD-ON DUIT™ ELECTRICAL PRODUCTS	PVC CEMENTS	HEAVY BODY	COLOR	PRODUCT																
			GRAY	DUIT 411†																
		MEDIUM BODY	CLEAR	DUIT 427†																
		MEDIUM BODY	BLUE	DUIT 425†																
		MEDIUM BODY	CLEAR	DUIT 413†																
			GRAY	DUIT 413†																
		CLEAR	DUIT 400†																	
	PRIMERS & CLEANERS	PURPLE	P-68																	
		CLEAR	Primer																	
		PURPLE	PC-64																	
CLEAR		Primer-Conditioner																		
	CLEAR	C-65																		
		Cleaner																		
		NOMINAL PIPE SIZE																		
		in	mm	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30	



† Complies with NEMA and UL specifications. For non-pressure application.





DUIT™ 400™ LOW VOC PVC SOLVENT CEMENTS



- Regular bodied
- Fast setting
- Very high strength
- For PVC electrical duct and conduit —interference fit through 8 inch (200 mm) diameter
- Can be used with or without primer. Check local code requirements.
- For use on all PVC power and communication duct, conduit and any non-pressure PVC application
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meet Underwriters Laboratories UL-651.
- 3 years shelf-life

STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
12080	CLEAR	GALLON	6	52
12081	CLEAR	QUART	12	27
12082	CLEAR	PINT	12	14
12083	CLEAR	1/2 PINT	24	15



DUIT™ 413™ LOW VOC PVC SOLVENT CEMENTS



- Medium bodied
- Fast setting
- Very high strength
- For PVC electrical duct and conduit —interference fit through 8 inch (200 mm) diameter
- Can be used with or without primer. Check local code requirements.
- For use on all PVC power and communication duct, conduit and any non-pressure PVC application
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meet Underwriters Laboratories UL-651.
- 3 years shelf-life

STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
12084	CLEAR	GALLON	6	52
12085	CLEAR	QUART	12	27
12086	CLEAR	PINT	12	14
12087	CLEAR	1/2 PINT	24	15
12088	GRAY	GALLON	6	52
12089	GRAY	QUART	12	27
12090	GRAY	PINT	12	14



DUIT™ 425™ LOW VOC PVC SOLVENT CEMENTS



- Medium bodied
- Extremely fast setting
- Very high strength
- For PVC rigid and flexible electrical duct and conduit —interference fit through 8 inch (200 mm) diameter
- Can be used with or without primer. Check local code requirements.
- For use on all PVC power and communication duct, ENT flexible, conduit and any non-pressure PVC application
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meet Underwriters Laboratories UL-651.
- 3 years shelf-life

STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
12091	BLUE	GALLON	6	52
12092	BLUE	QUART	12	27
12093	BLUE	PINT	12	14



DUIT™ 427™ LOW VOC PVC SOLVENT CEMENTS



- Medium bodied
- Very fast setting
- High strength
- All weather formula — can be used in temperature range of -15°F to 110°F (-26°C to 43°C).
- For PVC rigid and flexible electrical duct and conduit —interference fit through 8 inch (200 mm) diameter
- Can be used with or without primer. Check local code requirements.
- For use on all PVC power and communication duct, ENT flexible, conduit and any non-pressure PVC application
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meet Underwriters Laboratories UL-651.
- 3 years shelf-life

STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
12737	CLEAR	QUART	12	28
12738	CLEAR	PINT	12	14



DUIT™ 411™ LOW VOC PVC SOLVENT CEMENTS







- Heavy bodied
- Medium setting
- Very high strength
- For PVC electrical duct and conduit —interference fit through 12 inch (315 mm) diameter
- Can be used with or without primer. Check local code requirements.
- For use on all PVC power and communication duct, conduit and any non-pressure PVC application
- Meets ASTM D2564 and National Electrical Manufacturers Association (NEMA) TC-2, TC-6 and TC-8.
- Suitable for use with PVC conduit and fittings that meet Underwriters Laboratories UL-651.
- 3 years shelf-life

STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
12113	GRAY	GALLON	6	55
12096	GRAY	QUART	12	28
12097	GRAY	PINT	12	14









LOW VOC PRIMERS & CLEANERS

PRODUCT DESCRIPTION	STOCK NUMBER	COLOR	SIZE	UNITS / CASE	LBS / CASE
 <p>P-68™ PRIMER Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces</p>	10208	PURPLE	GALLON	6	49
	10210	PURPLE	QUART	12	25
	10212	PURPLE	PINT	12	13
	10214	PURPLE	1/2 PINT	24	14
	10216	PURPLE	1/4 PINT	24	7
 <p>P-68™ PRIMER Quality primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces</p>	10207	CLEAR	GALLON	6	49
	10209	CLEAR	QUART	12	25
	10211	CLEAR	PINT	12	13
	10213	CLEAR	1/2 PINT	24	14
	10215	CLEAR	1/4 PINT	24	7
 <p>PC-64™ PRIMER-CONDITIONER For surface preparation of PVC and CPVC pipe and fittings before bonding with solvent cements</p>	10871	PURPLE	GALLON	6	47
	10872	PURPLE	QUART	12	25
	10873	PURPLE	PINT	12	12
	10874	PURPLE	1/2 PINT	24	13
	10875	PURPLE	1/4 PINT	24	7
 <p>C-65™ CLEANER For removal of oil and grease from the surfaces of PVC, CPVC, ABS and STYRENE pipe and fittings for bonding. Recommended for use before priming.</p>	10200	CLEAR	GALLON	6	46
	10201	CLEAR	QUART	12	24
	10202	CLEAR	PINT	12	12
	10203	CLEAR	1/2 PINT	24	13
	10204	CLEAR	1/4 PINT	24	7

All Weld-On primers and cleaners have 3 years shelf-life.

APPLICATORS AND ACCESSORIES

PRODUCT DESCRIPTION	STOCK NUMBER	SIZE	UNITS / CASE	LBS / CASE
 <p>SUPERSWAB™ A sturdy easy-to-grip 4" swab for pipe diameter 4" to 8". Adjustable length and dual cap design that fits quart and gallon containers. The swab tip is disposable and swab handle is reusable. SuperSwab (swab and handle included) SuperSwab - bulk pack Replacement swab (4 swabs per bag) Replacement swab - bulk pack</p>	14108 14111 14109 14112	4" 4" 4" 4"	12 24 3 bags 24	3.5 4 3.5 4
 <p>SUPERDAUBER™ Adjustable plastic applicator with telescoping stem to fit ½ pint, pint, and quart cans. SuperDauber 75: 3/4" for pipe diameter up to 1 1/2" SuperDauber 150: 1 1/4" for pipe diameter up to 3"</p>	10832 10833	3/4" 1 1/4"	50 50	2 2
 <p>CAP DAUBERS DH Daubers fit ¼ pint & ½ pint cans; DP daubers fit ½ pint & pint cans; DQ daubers fit quart cans. DH-38: 3/8" for Flowguard Gold® - 1/4 & 1/2 Pint DP-50: 1/2" for Flowguard Gold® - Pint DP-75: 3/4" for pipe diameter up to 1 1/2" DP-150: 1 1/2" for pipe diameter up to 3" DQ-50: 1/2" for Flowguard Gold® - Quart DQ-75: 3/4" for pipe diameter up to 1 1/2" DQ-150: 1 1/2" for pipe diameter up to 3"</p>	13199 10003 10004 10005 11831 12429 10006	3/8" 1/2" 3/4" 1 1/2" 1/2" 3/4" 1 1/2"	50 50 50 50 50 50 50	1.5 1.5 1.5 1.5 1.5 1.5 1.7
 <p>PB-1 BRUSH Plastic Handle Brush. Fits standard pint and quart cans.</p>	12121	1"	25	3
 <p>CAN-TOTE CARRIER For carrying quart and pint cans.</p>	14147 12891	N/A N/A	6 24	3.6 14
 <p>PROFESSIONAL HAND CLEANER An advanced hand cleaner disposable wipe for removing residual solvent cements (PVC, CPVC, ABS), primers & sealants. Also removes dirt, oil, grease and much more.</p>	12762	10" x 12" (72 wipes per container)	6 containers	14

PIPE / CONDUIT SUPPORT CLAMPS & ROOF PENETRATION FLASHINGS

PRODUCT DESCRIPTION	STOCK NUMBER	SIZE	UNITS / CASE	LBS / CASE
HALF CLAMPS Plastic half clamp preloaded with nail. Supports conduit, copper, PEX tubing. Impact-resistant to 0°F (-18°C).	82850	1/2" CTS (50/bag)	2000	22
	82855	3/4" CTS (50/bag)	1000	14
	82860	1" CTS (50/bag)	500	13
	82840	1/2" CTS (5/bag)	10	1
	82845	3/4" CTS (5/bag)	10	1
GALVANIZED BASE ROOF FLASHING 24-gauge galvanized base with elastomer collar. Fits any roof pitch to 45°. Tested for ultraviolet, ozone and weather resistance.	81850	8 3/4" x 12 1/2" base for 1 1/4" or 1 1/2" pipe/tubing	20	19
	81855	8 3/4" x 12 1/2" base for 2" pipe/tubing	20	18
	81860	10 3/4" x 14 1/2" base for 3" pipe/tubing	20	26
	81870	8 3/4" x 12 1/2" base for 1/2", 3/4" or 1" pipe/tubing	20	26
	81879	18" x 18" base for 1/2", 3/4" or 1" pipe/tubing	15	34
ALUMINUM BASE ROOF FLASHING 25 mil aluminum base with elastomer collar. Fits any roof pitch to 45°. Tested for ultraviolet, ozone and weather resistance.	81916	8 3/4" x 12 1/2" base for 1/2", 3/4" or 1" pipe/tubing	20	20
	81935	18" x 18" base for 4" pipe/tubing	15	16
ELECTRICAL MAST ROOF FLASHING Constructed of durable EPDM rubber, split-boot, one piece design flashing eliminates the guess work of cutting and sealing standard flashing and the need to unhook power lines. Base is reinforced with strong, rigid galvanized mesh.	81746	0 to 3 3/8"	15	17

HALF CLAMPS



GALVANIZED OR ALUMINUM
 BASE ROOF FLASHING FOR
 1/2" - 3" SOLAR APPLICATIONS



ELECTRICAL MAST
 ROOF FLASHING



INNOVATION ANNOUNCEMENT!



**Roof Top Blox are *better* blocks...
10 times better!**



1 Reinforced Screw Starter Guides

For easier, stronger bracket attachment!



2 Unique Pipe Saddle Design

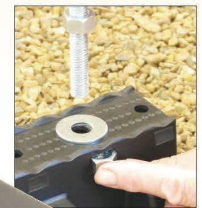
Neatly holds and aligns piping!

3 Steel Strut Alignment Trough

Locates and aligns strut!

4 Install-from-the-Top Engineering

Install and adjust from just the top side!



5 Stable Design

Wide footprint with interlocking ends for expandable lengths!

6 Extension Kits

Adds 1-1/2" to Blox height!



7 Cushioned Base

Structural foam insert protects roof membranes!

8 Heavy-Duty, Lasting Construction

UV-resistant resin withstands the elements!

9 Compact & Lightweight

Contractor-friendly 8-pack tote is easy to transport!



10 On-board Pipe Strap

Convenient galvanized strap included!



Roof Top Blox are the perfect solution for supporting piping and equipment on flat commercial roofs. Engineered with contractors in mind, the *Roof Top Blox* system is designed to be quickly installed, expanded, and adjusted from just the top side!

Better Support for:

- gas piping
- plumbing pipe
- electrical piping
- refrigeration pipes
- ductwork
- mechanical platforms
- roof walkways

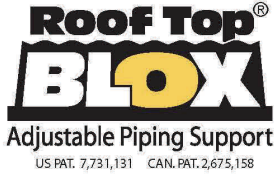


Adjustable Piping Support

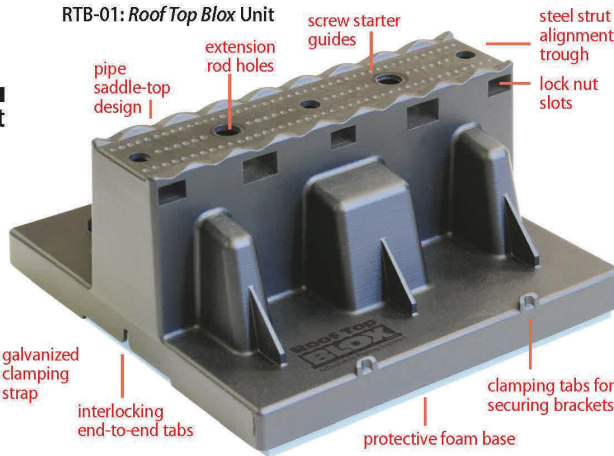
US PAT. 7,731,131 CAN. PAT. 2,675,158

www.rooftopblox.com





wide, stable design



RTB-01: Roof Top Blox Unit

pipe saddle-top design

extension rod holes

screw starter guides

steel strut alignment trough
lock nut slots

galvanized clamping strap

interlocking end-to-end tabs

protective foam base

clamping tabs for securing brackets

Better by construction. Better by design.

Unique Pipe Saddle Design - Notched saddle-top for orderly piping alignment. Top trough cradles slotted steel strut channel for strut clamping systems and heavier loads.

Reinforced Screw Starter Guides - Indents allow for fast screw location for attaching clamps and straps. Internal structure increases screw-thread grip for added strength.

Install-from-the-Top Engineering - Easy installation and adjustment of 3/8" or 1/2" threaded rods height extenders.

Stable Design - Wide footprint for balanced weight distribution. Interlocking tabs allow end-to-end *Blox* extension. Securing brackets anchor *Blox* against wind, water and snow load conditions.

Height Extension Kit - (XTB-02) Features pipe saddle-top design. Use with adjustable extension rods, or directly on top of *Blox* for 6" height requirements.

Durable Construction - Engineered heavy-duty structural design spreads load evenly over entire base surface. UV-resistant resin ensures a long durable life.

Protective Padded Base - High-density type 4 closed cell structural foam base cushions load to protect commercial roof membrane.

Compact & Lightweight - Stacking 8-pack tote design saves space for warehousing, shipping, and carrying convenience.

On-board Pipe Strap - Every *Blox* unit includes an on-board, galvanized clamping strap for securing up to 2" pipe.

Roof Top Blox Product Specifications

Body Material	Black UV stabilized Polypropylene Copolymer .100" to .135" wall thickness
Base Material	1" thick by 25psi, type 4 closed cell structural foam
Dimensions & Weight	8-7/8" square by 4-1/2" high, top accessory adds 1-1/2" to height for 6" height requirements, <i>Blox</i> interlock end to end for wide multi-piping platforms. Weight: 1lb per <i>Blox</i>
Load Bearing	Max load per <i>Blox</i> —Single Point Load: 250lbs./113 kg—Dual Point or Strut-Mounted Load: 350lbs./158 kg. Apply STR-04 slotted steel strut channel under heavy loads over 250lbs.
Spacing	Space <i>Blox</i> approximately every 7 feet along all piping.
Pipe Fastening	Screw indents guide fastening screws into special internal engineered thread gripping feature. #10 sheet metal screws recommended. <i>Blox</i> supplied with 3/4" galvanized universal quick clamping strap for up to 2" pipe. Top surface easily adapts to all types of piping clamps, clips, slotted strut and 3/8" or 1/2" threaded rod. All pipe fastening and adjustments done from top side only.
Accessories	1-1/2" Polypropylene top height extender, 10" slotted steel strut, 12" threaded rod, pipe rollers, securing brackets, M-1 adhesive, and primer for M-1 adhesive.
Warranty	5 years <i>Roof Top Blox</i> replacement against manufacturer's defect.
Applications	<i>Blox</i> engineered to install on flat roof surfaces for supporting gas, condensate or refrigeration lines, electrical conduits, ductwork or roof top walkways and mechanical equipment. Rated for temperatures up to 200°F/93°C.



Easy-to-handle 8-pack tote convenience

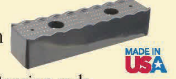
Distributed by

Products Available

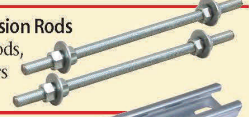
RTB-01: Roof Top Blox (includes clamping strap) Bundled in 8-pack totes



XTB-02: 1.5" Blox Height Extension Fastens directly on top of *Blox* with #10 screws provided or elevated with extension rods



ROD-03: 12" Extension Rods (2) 1/2" threaded rods, (8) nuts, (4) washers zinc plated



STR-04: 10" Galvanized Slotted Steel Strut Channel



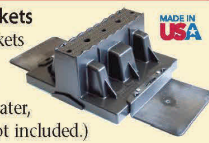
ROL-05: Small Pipe Roller (aluminum) Supports 1" to 3" pipe



ROL-06: Large Pipe Roller (aluminum) Supports 4" to 6" pipe (includes strut & mounting screws)



SCB-07: Securing Brackets (polycarbonate) (2) brackets secure *Blox* directly to roof with M-1 adhesive. Use brackets for wind, water, and snow loads. (*Blox* not included.)



ADH-12: M-1 Structural Adhesive (gray) High bond adhesive for all roof membrane systems. Apply directly under SCB-07 brackets — 10 oz. tube bonds 10 pairs of SCB-07 brackets.



PRI-13: Primer for M-1 Adhesive Primer required for bonding to TPO roof systems — 1 pint can is enough to bond 35 pairs of SBC-07 brackets.



Suggested Engineering Specification

Roof top support blocks for gas piping, plumbing, HVAC, conduit, cable tray, and mechanical equipment shall be *Roof Top Blox* (RTB-01). The support blocks must be designed to eliminate roof penetrations, flashings or damage to roofing membrane. Support body shall be made of recycled UV-resistant Polypropylene Copolymer. Base platform material shall be 1" thick, 25psi, type 4 closed cell structural foam to distribute and evenly cushion loads. Support top surface shall have molded in pipe organizing saddles and strut mounting cradle. The top surface shall also have screw guide indents and engineered internal screw thread gripping feature. Block must accept 3/8" and 1/2" threaded rod (ROD-03) using side entry nut slots to allow fast top side assembly and piping height adjustments. Aluminum rollers (ROL-05 or ROL-06) shall be installed on long piping runs. Securing brackets (SBC-07) and adhesive (ADH-12) recommended for permanently securing *Blox* into its final installed position, anchoring against wind, rain and snow loads.

Specify with Confidence

Roof Top Blox are manufactured in the U.S.A. Our state-of-the-art facility, strict quality guidelines, and product guarantee assure you and your customers will be 100% satisfied.



7 Main St., P.O. Box 440, Ellington, CT 06029
Phone: 860-979-0345 • Fax: 860-871-9218

www.rooftopblox.com



WELD-ON DUIT™

— Ideal for all PVC electrical & utility works.



455 W. Victoria Street, Compton, CA 90220 U.S.A.
Tel: 310.898.3300 • Fax: 310.898.3392
Customer Service: 800.888.8312
www.weldon.com

