



"SUPRA ELITE"

HIGH-PERFORMANCE AND MULTIPURPOSE ARCHITECTURAL SEALANT FOR OUTDOOR OR INDOOR USES BY PROFESSIONALS

GENERAL DESCRIPTION

High-performance architectural sealant and easy-to-use in a wide range of outdoor or indoor applications.

It is based upon a selected polymer technology to obtain a unique combination of properties in order to resist to Canadian climatic conditions. **"SUPRA ELITE"** cures by chemical reaction with moisture to an elastic product.

INTENDED USES

"SUPRA ELITE" seals joints between two perpendicular surfaces: door and window frames and wall sidings, etc. It also seals siding lap board butt joint.

"SUPRA ELITE" has excellent adhesion on:

- Wood, vinyl, aluminum, cement board or fibreboard sidings;
- Cured concrete (28 days), brick or masonry;
- Painted or stained wood;
- Natural, painted or anodised aluminum;
- Steel, galvanized steel, copper or brass;
- Glass, ceramic tiles or fibreglass;
- Acrylic or vinyl (PVC).

- REMARQUES:**
- Do not use on polypropylene, polyethylene, polybutylene, polycarbonate, recycled plastic, Teflon or other comparable materials.
 - Is not intended for joints submerged in water for prolonged periods of time, for floor joints, for structural glazing joints or where continual exposure to aggressive solvents or chemicals will occur.
 - For **"SUPRA ELITE"** translucent, see technical data sheet 107 020.

CHARACTERISTICS AND ADVANTAGES

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| ⇒ Does not generate bubbles, even on porous surfaces. | ⇒ Professional quality with excellent life expectancy. |
| ⇒ Remains flexible with a superior and permanent elasticity up to -50°C (-55°F). | ⇒ Will not stain masonry. |
| ⇒ It is resistant to the severe Canadian climate such as rain, snow, sunlight, ultraviolet rays, ozone, rapid temperature variations, atmospheric contamination and pollution. | ⇒ Chemical neutral cure. |
| | ⇒ Low odour. |
| | ⇒ Safe for insulation panels (polystyrene, etc.). |
| | ⇒ Resistant to rain upon its application. |

STORAGE AND APPLICATION TEMPERATURE

"SUPRA ELITE" does not deteriorate below freezing point. It is recommended to store it in a dry place where the temperature is between 5°C (40°F) and 30°C (86°F). Under these conditions, the sealed cartridges could be preserved for 12 months from its manufacturing date.

"SUPRA ELITE" can be applied in winter as well as in summer (see details in the technical guide). If the application of **"SUPRA ELITE"** is to be made at a temperature lower than 5°C (40°F), the surface must be at a temperature at least 3°C (5°F) higher than dew point.

SURFACE PREPARATION

There must be a free space between the two materials to permit their dimensional variations. Once applied, the sealant caulks the aperture. It will get compressed or stretched out depending on the movement of the materials. To determine the size of the joint, one must take into consideration the expansion or the contraction the materials will be subjected to with humidity and temperature variations. It must also be noted that some materials have greater dimensional variations than others. If possible, apply **"SUPRA ELITE"** whenever the size of the aperture between the materials is midway.

Remove any old sealant or putty. Scrape rusty metal with a metallic brush prior to cleaning. Clean, rinse and dry up oily surfaces. Scrape concrete and masonry with a metallic brush to obtain a sound, firm and clean surface free of efflorescence or laitance. The surface must be firm, clean and free of frost, ice, water, oil, grease, wax, asphalt or bitumen based product (coating, adhesive, etc.), mildew, rust, any loose or foreign material or all other contaminants.

RECOMMENDED PRIMER

"SUPRA ELITE" does not require priming on most building materials:

- Cured concrete (28 days), brick or masonry;
- Natural, painted or anodised aluminum;
- Glass, ceramic tiles or fibreglass;
- Wood, vinyl, aluminum, cement board or fibreboard sidings;
- Painted or stained wood;
- Steel, galvanized steel, copper or brass;
- Acrylic or vinyl (PVC).

Adhesion on material not specifically mentioned cannot be guaranteed, it is up to the customer to make his own performance tests or to consult our technical department.

INSTALLATION OF POLYETHYLENE BACKING ROD OR BOND BREAKER STRIP

If the joint covers an aperture of 6 mm (1/4 in.) or larger, it must be sustained by a polyethylene backer rod. The diameter of the backer rod must be approximately 3 mm (1/8 in.) wider than the width of the joint to permit compression. Compress and roll it into the joint channel without stretching it lengthwise.

In some cases, the backer rod is replaced by an appropriate bond breaker (polyethylene strip) suitable for preventing adhesion of the joint on three sides.



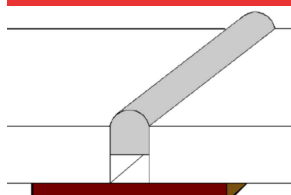
DIRECTIONS FOR USE

Cut the end of threaded stub on cartridge.

Screw on and cut the nozzle of the cartridge at right angle (90°), depending on the width of the desired joint.



APPLICATION (Joints between two siding panels)



Joint between 2 siding pieces must be in the middle of the stud or the slat.

Always leave 5 mm (3/16 in.) to 6 mm (1/4 in.) between siding butts according to the manufacturer's instructions.

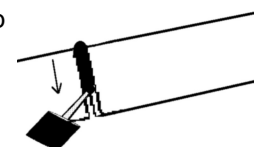
Apply "SUPRA ELITE" with a caulking gun in a continuous operation using a uniform and adequate pressure, to properly seal the joint and to ensure a full contact with end faces of siding.

Fill space between the clapboards; do not reach the furring strip (use a backer rod, a bond breaker strip or leave a space between the slat and "SUPRA ELITE"). The pressure used must allow filling the space between the siding panels on a depth of 6 mm (1/4 in.).

The angle between the gun and the joint to be made must be approximately 80°.

Pull the tip of the gun away from the joint, as illustrated.

Smooth surface, if necessary.



To minimise stresses imposed on the joint sealant, butt joints should respect the following width to depth ratio:

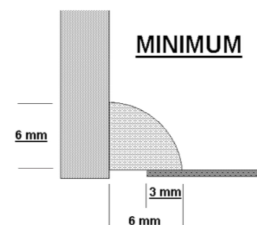
Joint width (mm):	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Joint depth (mm):	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5

APPLICATION (Joints between siding panels and door and window frames)

Always leave 3 mm (1/8 in.) to 6 mm (1/4 in.) between siding panels and trim or other materials.

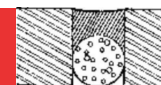
Make sure the sealant comes into contact on a width of at least 3 mm (1/8 in.) on the surface where the opening is and on a width of at least 6 mm (1/4 in.) on the other surface. Apply "SUPRA ELITE" with a caulking gun in a continuous operation using a uniform and adequate pressure, to properly seal the joint and to ensure a full contact with surfaces. During the extrusion of "SUPRA ELITE", the angle between the gun and the joint to be made must be approximately 45°. Pull the tip of the gun away from the joint, as illustrated.

No tooling required. Leave the "SUPRA ELITE" joint with a flat or convex shape for optimal joint movement.



COVERAGE per 300 mL cartridge

(rectangular shape joint between two siding panels)



Linear metres:						
Width (mm)	6	10	15	20	25	
Depth (mm)	6	8.4	5.0	3.4	2.5	2.0
	7.5	n. r.	n. r.	2.7	2.0	1.6
	10	n. r.	n. r.	n. r.	1,5	1.2
	12	n. r.	n. r.	n. r.	n. r.	1.0

Linear feet:						
Width (in.)	1/4	3/8	1/2	3/4	1	
Depth (in.)	1/4	25	16	12	8.2	6.2
	5/16	n. r.	n. r.	n. r.	6.6	4.9
	3/8	n. r.	n. r.	n. r.	5.5	4.1
	1/2	n. r.	n. r.	n. r.	n. r.	3.1

n. r. = not recommended

COVERAGE per 300 mL cartridge
(flat shape joint between two perpendicular surfaces)

Linear metres:							
Width (mm)	6	8	10	12	14	16	
Depth (mm)	6	17	12	10	8.3	7.1	6.3
	7	14	11	8.6	7.1	6.1	5.4
	8	12	9.4	7.5	6.3	5.4	4.7
	9	11	8.3	6.7	5.6	4.8	4.2
	10	10	7.5	6.0	5.0	4.3	3.8

Linear feet:								
Width (in.)	1/4	5/16	3/8	7/16	1/2	9/16	5/8	
Depth (in.)	1/4	49	39	33	28	24	22	20
	5/16	39	31	26	22	20	17	16
	3/8	33	26	22	19	16	14	13
	1/2	24	20	16	16	12	11	10
	5/8	20	16	13	13	10	8.7	7.8

PRODUCT DATA

PRODUCT TYPE:	Architectural sealant based upon a selected polymer curing by chemical reaction with moisture to an elastic product.		
GENERAL APPEARANCE:	Thixotropic and homogeneous paste, free of lumps and easy to extrude.		
COLOURS:	Consult our colour guide.		
FREEZE-THAW STABILITY:	"SUPRA ELITE" will not be damaged by the frost.		
CLEANING AGENT	(before drying):	Use mineral spirits.	
	dry product):	Use a putty knife and mineral spirits or other effective solvent (too strong solvent may damage other surfaces)	
	(skin contact):	As soon as possible, wash with mineral oil, then wash carefully with soapy water, and rinse.	
FLAMMABILITY:	At application:	non-flammable;	
	Dry:	combustible.	
APPLICATION METHOD:	Manual or pneumatic caulking gun.		
APPLICATION SURFACE:	Outdoor or indoor joints excluding floors.		
PERMISSIBLE TEMPERATURES DURING THE APPLICATION:	Product:	-10 à 40°C (14 à 105°F)	
	Surface:	-25 à 50°C (-13 à 122°F)	
MINIMUM SIZE:	Width and depth:	6 mm (1/4 in.).	
MAXIMUM SIZE:	Width:	25 mm (1 in.);	
	Depth:	12 mm (1/2 in.).	
SLUMP OF SEALANT:	ASTM D2202:	0 mm.	
SERVICE TEMPERATURE:		Minimum: -50°C (-58°F).	
		Maximum: 100°C (212°F).	
HARDNESS (SHORE A):	ASTM C661:	46.	
ELONGATION BEFORE RUPTURING:	ASTM D412:	300 %.	
MOVEMENT CAPACITY (EXPANSION-CONTRACTION):		± 25 %.	
CURE RATE:		6 mm in 3 days at 25°C, 65% R.H.	
LOW TEMPERATURE FLEXIBILITY:	CAN/CGSB -19.0-M77 method 11.1:	-30°C (-22°F) pass.	
UV RESISTANCE:	ASTM C793:	excellent.	
PAINTABILITY:	Does not require painting; however it can be painted with latex paint over 24 hours after application (compatibility testing recommended prior to application). However, as with all elastomeric sealants, coatings may cause undesirable side effects as a reduction in its flexibility. Note: «Translucent» cannot be painted.		
CHEMICAL RESISTANCE:	Good to usual household cleaners and to diluted acid or alkali solutions.		
DENSITY:	1,4 kg/L		
DISPOSAL:	Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.		

Product data calculated on product 107 110.

LIMITATIONS OF USE

Make sure the joint variation does not exceed the "SUPRA ELITE" elasticity.

When "SUPRA ELITE" is painted, the paint may crack if "SUPRA ELITE" supports a movement higher than the paint elasticity.

The drying time of "SUPRA ELITE" depends on temperature, relative humidity and ventilation.

The shelf life is diminished by warehousing over 25°C (77°F).

"SUPRA ELITE" must not be used with pipes or in other applications where it may be subjected to hydrostatic or pneumatic pressures (other than wind pressure).

Dirt pick-up and discolouration may occur in the long term.

Not for joints submerged in water for prolonged periods of time.

Adhesion on material not specifically mentioned cannot be guaranteed. It is up to the customer to make his own performance tests or to consult our technical department.

PRECAUTIONS AND SAFETY MEASURES

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet (SDS). For workplace use, an SDS are available from your retailer, through our website or by calling 1 800 463-7426.

Avoid contact with eyes or skin. Keep out of the reach of children. Use only in well-ventilated area. Keep containers tightly closed and sealed until ready for use. Use personal protective equipment as required.

Danger. Causes serious eye irritation, skin irritation and may cause an allergic skin reaction. May damage fertility or the unborn child. Suspected of causing genetic defects and cancer. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Wear protective gloves, eye or face protection and protective clothing. Do not breathe vapours. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

First aid treatment: Get medical attention if you feel unwell. IF exposed or concerned: Call a POISON CENTRE or physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Store locked up. Emits toxic fumes when heated.

Emergency spill information: 1 514 645-1320 or 1 800 463-7426.

LIMITED WARRANTY

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

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