

# 100% SOLIDS EPOXY

PE700900•PE700901•PE700902•PE700903

<b>DESCRIPTION</b>	This product is a solvent-less, self-leveling, two-component epoxy coating system. It exhibits very good appearance and chemical and physical properties. It was developed for systems that require a low viscosity epoxy coating for easier application. This system has been approved by the Canadian Food Inspection Agency (CFIA).				
<b>ADVANTAGES</b>	<ul style="list-style-type: none"> <li>- Dense surface resistant to bacteria and moisture and easy to clean.</li> <li>- Contains no solvent with a very low VOC content, allowing for interior application without harmful odour.</li> <li>- Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate.</li> <li>- May apply several layers on itself with excellent adhesion.</li> </ul>				
<b>TECHNICAL DATA</b>	<b>Packaging</b>	4.5 L			
	<b>Colour</b>	Part A	Part B	Mix	
		Upon Request	Clear to Amber	Upon Request	
	<b>Recommended Thickness</b>	<b>Primer</b>	6-8 mils		
		<b>Finish Coat</b>	8-12 mils		
	<b>Mileage per gallon (8 mils thickness)</b>	200 ft <sup>2</sup>			
	<b>Shelf Life</b>	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.			
	<b>Mix Ratio, by volume</b>	A:B = 2:1			
	<b>Mix Ratio, by weight</b>				
		Clear	A:B = 100:41-48		
		Colours	A:B = 100:39-45		
	<b>Pot Life (454 g)</b>	40-50 minutes @ 25°C			
	<b>Open Time on Substrate</b>	15-20 minutes			
	<b>VOC (g/L)</b>	75.40 g/L			
<b>PROPERTIES @ 23°C (73°F) AND 50% R.H.</b>	<b>Solids Content, by weight</b>	100%			
	<b>Solids Content, by volume</b>	100%			
	<b>Density (kg/L)</b>	Part A	Part B	Mix	
		Clear	1.05-1.10	0.9-1.0	-
		Colours	1.10-1.15	0.9-1.0	-
	<b>Thinner Recommended</b>	SCT-0001			
	<b>Waiting Time/Overcoatability</b>				
	Before applying over primer	Substrate Temperature	Minimum	Maximum	
		+ 10°C	24 hours	3 days	
		+ 20°C	12 hours	2 days	
		+ 30°C	6 hours	1 day	
	Before applying a second coat	Substrate Temperature	Minimum	Maximum	
		+ 10°C	30 hours	3 days	
		+ 20°C	24 hours	2 days	
		+ 30°C	16 hours	1 day	
	<b>Curing Details</b>	Substrate Temperature	Foot Traffic	Light Traffic	Full Cure
		+ 10°C	30 hours	5 days	10 days
+ 20°C		24 hours	3 days	7 days	
+ 30°C		16 hours	2 days	5 days	
<b>Service Temperature</b>	-20°C to 50°C				
<b>*Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.*</b>					

# 100% SOLIDS EPOXY

PE700900•PE700901•PE700902•PE700903

<b>Bond Resistance (psi), ASTM D4541</b>	>300 (substrate ruptures)		
<b>Permeability (%), ASTM D570</b>	0.3%		
<b>Hardness (Shore D), ASTM D2240</b>	85-90		
<b>Abrasive resistance, ASTM D4060 (CS17 / 1000 cycles / 1000 g)</b>	0.10 g		
<b>Viscosity @ 25°C</b>	Part A	Part B	Mix
<b>Clear</b>	1200-1400	75-125	500-600
<b>Traction Resistance (psi), ASTM D638</b>	6500		
<b>Compressive Strength (psi), ASTM D695</b>	14000		
<b>Flammability</b>	Class I (Not considered Flammable, Flash Point >93°C)		
<b>Elongation %, ASTM D638</b>	6.7		
<b>Resistance to Mold Growth, ASTM D3273</b>	Rated 10 (highest resistance)		
<b>Resistance to Fungi Growth, ASTM G21</b>	Rated 0 (no growth)		

**\* Please note, that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage. \***

<b>SURFACE PREPARATION</b>	<p>Proper surface preparation is crucial. The concrete must be clean, dry and free of oil and contaminants.</p> <p><b>CLEANING:</b> Clean the surface using Passeport Élite concrete preparation. Rinse thoroughly and leave to dry for at least 48 hours. For stubborn oil stains, use Passeport Élite degreaser.</p> <p><b>SANDING:</b> Resurfacing with a polisher is by far the best surface preparation method, but it can be replaced by sanding for most residential projects. Sand the surface using a sander fitted with 60-grit sandpaper in order to remove old paint.</p> <p><b>REMOVING DUST:</b> Remove all dust from the surface using a shop vacuum. Remove all contaminants or fine concrete dust from the surface.</p> <p><b>FILLING CRACKS:</b> Expand the cracks using a grinder in order to free up friable particles, and clean with the shop vacuum. Use a concrete filler. Passeport Élite 100% solids epoxy can be applied 4 to 6 hours later.</p>
<b>MIXING</b>	<p>Stir each component separately. Pour all the hardener (component B) in the epoxy resin (component A). Mix well for 4 minutes at a low speed (300 to 450 RPM) using a drill fitted with a mixer. Do not mix at a high speed to prevent air entrapment bubbles. Scrape the sides and bottom of the bucket frequently with a stir stick to get a homogeneous mixture. Let the mixture stand for 2 minutes. Apply all of the mixture within 30 minutes.</p> <p><b>IMPORTANT!</b> <b>Mixing must be done properly in order for the hardener to have a uniform effect. The product must be applied within 30 minutes of mixing.</b></p>
<b>APPLICATION</b>	<p>Pour the product directly onto the floor in consecutive and parallel strips. Using a brush, quickly cut in the edges. Then, using a squeegee, spread the product and back roll (left to right, then toward you). It is important to get a uniform coating and avoid puddling.</p> <p><b>RECOMMENDATIONS</b></p> <ul style="list-style-type: none"> <li>- Do not touch up the product after 10 minutes.</li> <li>- Wear spiked shoes to walk on the coated surface.</li> <li>- Apply a coat of clear epoxy on dark or metallic colours.</li> <li>- Apply a second coat between 24 and 48 hours later to get a very glossy and uniform finish. If the</li> </ul>



# 100% SOLIDS EPOXY

PE700900•PE700901•PE700902•PE700903

	<p>second coat must be applied more than 48 hours later, sand the surface using a sander fitted with 60-grit sandpaper in order to remove the gloss and avoid any adherence problems.</p> <p>On vertical or sloped surfaces, apply THIN COATS of the product to prevent sagging.</p> <p><b>IMPORTANT!</b> <b>The product will start to cure quickly after 40 minutes and will be completely unusable after 50 minutes.</b></p>
<b>CLEANING</b>	<p>Clean all tools with xylene immediately after use. Always keep your goggles and gloves on to avoid any contact with the product.</p> <p><b>IMPORTANT!</b> <b>Once the product has cured, it can only be removed mechanically.</b></p>
<b>RESTRICTIONS</b>	<ul style="list-style-type: none"><li>- Make sure that the temperature of the substrate is between 10°C and 30°C, and that it is at least 3°C above the day's dew point.</li><li>- Make sure that the humidity level of the substrate is below 4%. Do not apply the product on humid substrates or porous surfaces that may absorb humidity from the soil.</li><li>- Maintain a relative humidity of maximum 85% during application and curing.</li><li>- Protect from humidity, condensation and water during the 48-hour curing period.</li><li>- Do not apply outside.</li><li>- The surface can become discoloured in places that are regularly exposed to UV light.</li></ul>
<b>HEALTH AND SAFETY</b>	<p>In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse.</p> <p>Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.</p> <p><b>*Consult the material safety data sheet for further information.*</b></p>
<b>IMPORTANT NOTICE</b>	<p>All statements, recommendations and technical information contained in this document are accurate to the best knowledge of Passeport Élite. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use. Passeport Élite assumes no legal responsibility for use upon these data. Passeport Élite assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.</p>