

**TECHNICAL SHEET****INDUSTRIAL EPOXY**  
**PE700231 • PE700232****DESCRIPTION****Packaging:** 2:1 Kit – 3 Gallon – Clear A/B – PE700231  
2:1 Kit – 3 Gallon – Grey A/B – PE700232

**Passeport Élite Industrial Epoxy** is a two component self-leveling epoxy coating that is 100% solid. With its opaque color and glossy finish, it can be used to restore floors or protect new floors. **Passeport Élite Industrial Epoxy** provides excellent physical and chemical resistance providing durability while maintaining its artistic taste. This system can be used with a primer coating, followed by 2 topping coats.

**APPLICATION**

Showrooms,  
Stores  
Commercial areas,  
Living spaces  
Warehouse  
Industrial production areas

**ADVANTAGES**

- Low odour, Solvent-free
- 100% solids with an esthetic finish
- Seamless
- Good chemical and physical resistance
- Easy to clean, bacteria and moisture resistant surface

**PACKAGING**

**Passeport Élite Industrial Epoxy** is packaged in factory proportioned packaging for easy usage.

**Resin: (A): 2 US Gal, 2 US Drum and 2 Totes**

**Hardener: (B): 1 US Gal, 1 US Drum and 1 Tote**

**STORAGE**

All components should be stored in dry, temperature-controlled areas between 12-28°C.  
Do not expose to freezing or excessive high heat.

## TECHNICAL SHEET

### INDUSTRIAL EPOXY

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#### TECHNICAL DATA @ 25°C

% Solids by Weight	100%
Gel time 100g	50-60 Minutes
Suggested # of coats	2-3
Foot traffic	24 Hours
Full cure	7 Days
Compressive Strength ASTM D695	6800 psi
Tensile Strength ASTM D638	5500 psi
Permeability ASTM D570	0.3%
Abrasion Resistance ASTM D4060	0.10 g
Voc content	41.77 g/L
Mixing Ratio by Volume	2:1
Recoat time (min/max)	8 Hours / 24 Hours
Light traffic	3 Days
Shelf life	12 Months unopened
Bond Resistance ASTM D4541	268 psi
Hardness (Shore D) ASTM D2240	85-90
Elongation D638	6.7%
Mixed Viscosity	1000-1200 cps

*PRIOR TO USE APPLICATOR MUST ALWAYS READ AND FOLLOW WARNINGS AND INSTRUCTIONS ON SEALCHEM INDUSTRIES MOST UP TO DATE PRODUCT TECHNICAL DATA SHEETS, PRODUCT LABELS AND MATERIAL SAFETY DATA SHEETS WHICH ARE AVAILABLE UPON REQUEST BY CALLING TECHNICAL SUPPORT DEPARTMENT.*  
 SURFACE PREPARATION

#### SURFACE PREPARATION

Surface must be clean, sound and dry. Prior to coating a floor all trowel marks and surface imperfections must be removed to produce a smooth & uniform surface. Proper surface preparation is critical to ensure an adequate chemical bond to substrate. Substrate must be dry and free of all wax, grease, oils, fats, soil, contaminants, loose or foreign matter and laitance. Concrete should be cleaned and prepared using a shot blast machine or adequate grinding equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application.

**TECHNICAL SHEET****INDUSTRIAL EPOXY  
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**Passeport Élite Industrial Epoxy** is supplied in factory proportioned quantities, greatly reducing the risk of applicator error during mixing.

Step 1 - Mechanically premix PART A (resin) with an appropriate slow speed drill equipped with a Jiffy Mixer, for 1 minute.

Step 2 - Slowly empty entire content of PART B into container holding PART A and continue to mix slowly for 3 minutes until uniform consistency in texture and color is achieved. Avoid unnecessary entrapment of air during mixing. Make sure to scrape walls and bottom of container with straight edged trowel at least once to ensure homogeneous mix. Make sure to empty ALL contents of PART B into PART A to avoid system weakening or incomplete curing.

**DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.**

**POT LIFE**

After mixing, **Passeport Élite Industrial Epoxy** has a pot life of approximately 30-40 minutes at 25°C for 100g mass. Pot life depends on mass and ambient temperature.

**APPLICATION**

**Passeport Élite Industrial Epoxy** should be applied at ambient and surface temperatures between 15-28°C and humidity below 80%. **Passeport Élite Industrial Epoxy** is applied with a rubber squeegee and back rolled to remove squeegee lines and smooth out coating. Additional coats may be applied when surface is tack-free (roughly 8 hours). Do not exceed first 24 post-application hours for recoating. By exceeding this recoat time limit, the entire surface must be lightly sanded to achieve desired profile for a proper mechanical bond. Clean up all dust and debris created by aforementioned sanding prior to applying subsequent coat. Clean up all dust and debris created by aforementioned sanding prior to applying subsequent coat.

**TECHNICAL SHEET****INDUSTRIAL EPOXY  
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**Passeport Élite Industrial Epoxy** is tack-free in approximately 8 hours at 25°C. Coated area may be put back into service after 24 hours. Curing is complete and full product characteristics are achieved after 10 days. Curing times dependent upon ambient & surface conditions.

**PRECAUTIONS & LIMITATIONS**

Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point.

**Substrate Moisture:** Moisture within substrate must be  $\leq 4\%$  by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.

**Dew Point:** AVOID CONDENSATION. The substrate must be at least 3°C above Dew Point to reduce risk of condensation. Condensation may lead to failure in adhesion. Avoid situations where substrate temperature is considerably lower than ambient temperature.

*Do not add thinners or solvents to mix. Do not add water. Dispose of waste materials in accordance with government regulations. The use of safety glasses and protective gloves is required. In case of contact, flush areas with abundance of water for 20 minutes and seek medical assistance. Wash skin with soap and water. Use only in well ventilated areas.*

**LIMITATION OF WARRANTY**

The manufacturer's liability, expressed or implied, is limited to the replacement of the product. The user assumes full responsibility for use in accordance with the product data sheet. The manufacturer is not liable for any direct, indirect, consequential, economic or other damages.