

PU Floor ASP

Ultra high abrasion resistant polyaspartic coating.

DESCRIPTION

PU Floor ASP is a two component, high solids, high gloss, clear coating that combines the excellent adhesion and toughness of Polyaspartic resin technology with the advantages of a one coat system.

ADVANTAGES

PU Floor ASP delivers the following advantages;

- High gloss finish.
- Tough impervious, high abrasion resistant coating.
- Excellent adhesion to substrate.
- High chemical resistance, including oils, fats and solvents.
- Suitable for interior and exterior* applications.
- Resists hot tyre pick up.
- Easy 1:1 by weight or volume mix ratio.

*Note: Due to extremely low moisture vapour transmission rates, PU Floor ASP is only recommended for exterior use if the substrate has no or limited moisture transmission.

AREAS OF USE

PU Floor ASP is suitable for use in the following areas;

- Workshops & Domestic Dwellings Showrooms
- Garages & Sheds & Restaurants
- Hospitals & Laboratories & Steel Structures

SUBSTRATES

PU Floor ASP is suitable for application on;

- Concrete & Crommelin WB2K
- Crommelin WB2K and Crommelin Gecko PU flake floor system & Rust Protect

TECHNICAL DATA (@ 25°C)

Mix Ratio: Refer to specifications

Number of Coats: 1

Coverage: (per coat) Refer to specifications

Full Cure: 7 days

Colour: Clear

Clean Up: Crommelin Solvent

Shelf Life: 6 months

TEST DATA

Salt Resistance: Excellent

Hot Water Resistance: Excellent

Abrasion Resistance: Excellent

Solvent Resistance: Fair

Acid Resistance: Good (low concentrate)

Alkali Resistance: Good

VOC Content:
(without additional solvent) 170g/L

PU Floor ASP

Ultra high abrasion resistant polyaspartic coating.

SPECIFICATIONS (@ 25°C)

Mix Ratio:	1:1	1:1 + 200ml Solvent	1:1 + 400ml Solvent
Total Volume:	7.2L	7.4L	7.6L
Coverage on Concrete: (per coat)	3.6m ² /L	4.6m ² /L	5.4m ² /L
Coverage on Steel: (per coat)	5m ² /L	6.7m ² /L	N/A
Wet Film on Concrete: (per coat)	275 microns	210 microns	180 microns
Wet Film on Steel: (per coat)	200 microns	150 microns	N/A
Dry Film on Concrete: (per coat)	220 microns	170 microns	140 microns
Dry Film on Steel: (per coat)	160 microns	120 microns	N/A
Volume Solids:	80.6%	78.1%	75.8%
Pot Life:	1hr 20mins	1hr 20mins	2hrs
Set to Touch:	5hrs 40mins	5hrs 40mins	5hrs 40mins
Touch Dry:	8hrs 30mins	8hrs 30mins	8hrs
Dry to Handle:	11hrs	11hrs	10hrs 30mins

PU Floor ASP may be used as a straight 1:1 by weight or volume mix, or may be thinned with Crommelin® Solvent to improve surface penetration, extend pot life, increase coverage rates and aid application.

Note: Any addition of solvent must only take place after part A and part B have been thoroughly mixed.

ANCILLARY PRODUCTS

- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin® Contractor Membrane Roller Cover – 230mm
- Crommelin® Moisture Meter

SUBSTRATE PREPARATION AND PRIMING

Full substrate preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Concrete must be cured for at least 28 days.
- Surfaces must be clean, dry, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance, existing coatings or any other contaminants.
- Concrete should be diamond ground to achieve a minimum 125 micron profile.
- Steel should be prepared in accordance with SSPC-SP7 / NACE No.4.
- If more than one coat is required, due to surface profile or porosity, and more than 12 hours has elapsed between coats or the coating cannot be indented with a fingernail, abrade coat 1 with 80-100 grit sandpaper or screen to ensure inter-coat adhesion.

APPLICATION CONDITIONS

- Substrate must be dry. The use of a suitable moisture meter is recommended.
- Application temperature must be above dew point.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.
- Avoid application in direct sunlight or in windy conditions.

Note: When applying internally or in humid conditions, air flow should be maximised with the use of fans to assist cure.

PU Floor ASP

Ultra high abrasion resistant polyaspartic coating.

MIXING

- Add the entire contents of Part B to the Part A bucket. (The mixing ratio is 1 part A to 1 part B by weight or volume)
- Mix for 3 full minutes using a slow speed drill, scraping the bottom and sides of the mixing container. Mix only that amount which can be applied within 20 minutes and do not aerate.
- If additional Crommelin® Solvent is used, this is to be added after part A and part B have been mixed together. Do not exceed the specified amount of Solvent.

APPLICATION

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- PU Floor ASP may be applied by lint free micro-fibre roller or lambs wool applicator. It is vital that all applicators are lint and dust free, preventing contamination of the coating and adversely affecting the final finish. Due to short pot life, it is advised to change applicators every hour.
- On large jobs, the applicator should wear spiked shoes to walk on the wet material.
- Application must take place immediately after mixing.
- A wet edge must be maintained during application.
- Puddling of material must be avoided. Thick films may entrap solvent, or cause CO₂ bubbles to form, that will appear as frosted areas.
- Protect from water, moisture vapour and air borne contaminants including dust during the curing process.

CLEAN UP

- Equipment can be cleaned with Crommelin® Solvent or similar.

MAINTENANCE, RECOATING AND REPAIR

To maximise the natural life and protective characteristics of your sealer, general cleaning and maintenance should be followed including;

- Any spills must be cleaned up immediately. Spot cleaning should be carried out with dilute detergents.
- The placement of mats at all entry and exit points is recommended.

If the finish coat becomes damaged follow these instructions to undertake a repair.

- If the coating is delaminating all the way down to the substrate, it is often due to a preparation issue - poor profile, dirt, oil or grease causing a bond breaker.
- Proper repair would be to remove all the loose coating, followed by proper preparation - grinding, cleaning, and/or drying of the area. Then re-apply the coating.
- If the profile appears to be good and clean and delamination is present, a vapour test should be performed to see if the hydrostatic pressure is too great for normal coating (1.4kg or more).
- To repair a scratch/chip, clean the scratched/chipped area, followed with a mixture of a small amount of PU Floor ASP. This is applied with a small applicator (such as one would do on a car.) This type of repair will show just as it would on a car finish. Sand the area to a "feather edge" and follow by sanding and cleaning the entire coated area, producing an unnoticeable repair.
- After the area has been sanded and cleaned, use a tack cloth dampened with Crommelin® Solvent and wipe over the entire area, and recoat.
- If the coating appears to have "worn through", this generally tells us that the coating may have been applied too thin or it is used in a high traffic area.
- To repair this, sand the entire area, clean by vacuuming, followed by a tack wipe and/or mop surface with solvent, and recoat.

PU Floor ASP

Ultra high abrasion resistant polyaspartic coating.

PRECAUTIONS

- Do not apply if the temperature is below 10°C, below dew point or relative humidity is above 85% or if rain is imminent.
- Poor mixing or inaccurate mixing ratios will result in variable cure and less than optimum hardness.
- Ensure adequate ventilation and air flow to optimise sealer curing.
- It is the coating applicator's responsibility to conduct relative humidity probe testing on concrete to determine if excessive levels of vapour emissions are present before applying any coatings. Crommelin and its sales agents will not be responsible for coating failures due to undetected moisture vapour emissions.

WARRANTIES

Please contact your Crommelin® representative, or the Crommelin® technical support team for detailed specifications applicable to your project and warranty requirements.

TRANSPORT AND STORAGE

- Size: 7.2L kit
- Weight: 7.2kg
- DG Class: 3
- Flash Point: 38°C
- UN Number: 1263
- Cool and Dry Storage
- Hazchem Code: 3(Y)
- Poisons Schedule: S6

SAFETY AND FIRST AID

PU Floor ASP Safety Data Sheet is available from Crommelin® upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

Crommelin® and other marks followed by ® are registered trademarks.

Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin® also reserves the right to update information without prior notice, to reflect ongoing research and product development.