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## PENTA FLAT EMULSION

**PRODUCT DESCRIPTION:** Penta Flat Emulsion is a top quality, flat emulsion paint. It gives a long lasting finish inside and outside, with a very good resistance to fungi and algae, and is easy to clean.

### RECOMMENDED USES:

Interior and exterior masonry surfaces, such as concrete and clay block work, asbestos cement sheets, cement rendered walls and ceilings etc. for interior use only on gypsum plaster and wallboard, and suitably primed metals, wood and building boards.

### PRODUCT ADVANTAGES:

- Water-thinnable and clean-up
- Pleasant smelling
- Easy to apply
- Good exterior durability
- Quick Drying
- Scrubbable
- Easy to clean- after 30 days drying will withstand moderately vigorous washing
- Very good resistance to fungi and algae
- Good hiding

**NEW SURFACES:** Ensure that surfaces have thoroughly dried out, allowing cement rendered surfaces and cement – mortar pointing to cure for 4-6 weeks and poured concrete for 6-8 weeks The surfaces must be dry and cleaned free of all dirt, dust, grease, oil, wax, form oils, pointing compounds, fungal and algal growth, and other debris and contaminants. Fill any surface defects (holes, cracks, crevices etc.) with appropriate masonry / wood filler. Rub down with rubbing stone/ brick to remove all loose particles.

### TECHNICAL DATA

PRODUCT REF:	0921-Line
GENERIC TYPE:	Acrylic co-polymer
GLOSS/SHEEN:	Flat
COLOUR RANGE:	White, Black, shelf and custom colours.
PACK SIZES:	1 and 5 US gallon
PRACTICAL COVERAGE	325-350ft <sup>2</sup> /US gallon per coat depending on texture and porosity of surface.
NO. COATS:	2-3 depending on colour and contrast of paint and substrate
DRYING TIMES:	Touch: 15 mins Recoat: 1 hour
APPLICATION METHOD:	Brush, roller, Conventional Spray And Airless Spray
SPRAY RECOMMENDATIONS:	
Conventional:	Satisfactory through most equipment
Airless:	Typically:
Fluid Pressure:	143 bars (2000 p.s.i.)
Tip Size:	0.38 mm (15 thou)
Tip Angle:	65 <sup>0</sup>
THINNER/CLEAN UP:	Water
THINNING:	Only as necessary
Brush and Roller:	Up to 500 ml water to 1 US Gal
Conventional Spray:	Up to 800 ml water to 1 US gal
Airless Spray:	Up to 400 ml water to 1 US Gal
Type of Cure:	Coalescence

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**PREVIOUSLY PAINTED:** Remove all loose, flaking, peeling and semi-adherent paint, sanding to a featheredge where necessary, and remove all contaminants, to obtain a clean, firm, sound surface. Fill surface defects as for new surface. Rub down smooth glossy surfaces.

### **Treatment of Fungus and Algae Infected**

**Areas:** Clean with a solution of 1 part household bleach in 3 parts water. Leave up to 24 hours. Rinse off thoroughly.

**Aluminium:** Clean and etch-prime with Penta Etch Primer

**Chipboard:** Single layer, open-surface chipboards may require sanding and overall filling with oil or water-based fillers if a high standard of finish is required, but the surface must be primed first with an oil-based primer such as Penta Wood Primer Undercoat.

NB. Exposed nail and screw-heads, which are not corrosion resistant, must be touched-in with an oil-based primer.

**Treatment of Efflorescence:** This problem appears as white spots or apparent “bleaching” of unpainted or previously painted masonry surfaces. It is caused by drying-out of new plaster/rendering, rising dampness, or water leaks into the walls, which must be rectified before proceeding. Loose efflorescence should be removed by vigorous brushing with a coarse sacking or dry brush, followed by light rubbing with a damp cloth. This should be repeated at intervals of 3-4 days, until it is evident that the efflorescence has ceased. Finally apply one (1) coat Penta Latex or Acrylic Sealer.

If efflorescence is of the smooth, hard type (lime-bloom) it should be lightly abraded to ensure good adhesion.

## **APPLICATION / SYSTEMS**

**Material Preparation:** Stir paint contents thoroughly before using.

### **NEW AND UNPAINTED SURFACES**

#### **Masonry / Gypsum Plaster & Wallboard**

**(Interior):** Apply two (2) or three (3) coats of Penta Flat Emulsion, allowing one (1) hour drying between coats. The first coat may require thinning.

**Iron and Steel-** Prime with 1 coat of Penta Metal Chromate Primer, Red or Yellow and finish with two

(2) or three (3) coats of Penta Flat Emulsion allowing one (1) hour drying between coats

**Aluminium**– On etch-primed surface finish with two (2) or three (3) coats Penta Flat Emulsion allowing one (1) hour drying between coats

**Wood/Plywood-** Prime with 1 coat Penta Wood Primer Undercoat (if not already primed) and finish with two (2) or three (3) coats Penta Flat Emulsion allowing one (1) hour drying between coats.

**Fibre-Building Board** (Soft board, Medium board and hardboard)

**Unprimed Fire Retardant treated (interior)** – Prime with 1 coat Penta Latex Sealer, and finish with two (2) or three (3) coats Penta Flat Emulsion allowing one (1) hour drying between coats

**Unprimed Non Fire retardant treated (interior)** – Prime and finish with two (2) or three (3) coats Penta Flat Emulsion allowing one (1) hour drying between coats

**Chipboard (interior)** – for all except single layer/open surface chipboard, prime and finish with 2-3 coats Penta Flat Emulsion. For single layer/open surface chipboard, prime with one (1) coat Penta Wood Primer Undercoat and finish with two (2) or three (3) coats Penta Flat Emulsion allowing one (1) hour drying between coats.

NB For interior surfaces, where an emulsion system is recommended, Penta Emulsion Primer White can be used in place of the first or prime coat of Penta Flat Emulsion. NB Exposed nail and screw-heads, which are not corrosion resistant, must be toughed in with an oil based primer.

## **PREVIOUSLY PAINTED SURFACES**

Seal powdery residues and friable surfaces with Penta Penta Acrylic Solvent Based Sealer.

Spot prime bare areas with appropriate primer, and bring forward with extra coats of finish.

Prime old gloss paint surfaces, after rubbing down, with Penta Wood Primer Undercoat.

Finish with one (1) – two (2) coats Penta Flat Emulsion allowing one (1) hour drying between coats.

## **HEALTH AND SAFETY INFORMATION**

### **HANDLING PRECAUTIONS**

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**Inhalation**-Avoid breathing vapours or spray mists. Work only in conditions of good ventilation. In confined spaces during spraying, wear suitable respiratory mask fitted with dust and fume cartridge.

**Eye Protection:** Whenever there's a risk of paint or solvent splashing in the eyes, wear protective goggles.

**Skin Protection:** Avoid skin contact.

## **FLAMMABILITY**

**Category:** Water-based product

**Flash Point:** Not applicable.

## **FIRST AID PROCEDURE**

**Eye Contact:** Flush with water for at least 15

minutes holding lids apart. If symptoms persist seek medical attention.

**Skin Contact:** Remove contaminated clothing. Thoroughly wash skin with soap and water. Use a good proprietary skin cleanser for removing paint. Do not use solvents, thinner, petrol etc.

**Ingestion:** Do not give anything by mouth except water. Do not induce vomiting. Obtain medical attention.

**STORAGE:** Keep out of reach of children. Do not store by hanging on a hook.

**SPILL OR LEAK PROCEDURE:** Contain and collect spillage using sand or earth. Do not allow to enter a drain or water course.

**FIRE PRECAUTION:** Not applicable.

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