



BRADITE PG77 Polyurethane Gloss Enamel

A two pack polyurethane high-build acrylic finish.

Properties and Areas of Use

Tough, hard wearing flexible film, with excellent colour retention and weathering resistance.
Good chemical resistance, and excellent water resistance.
Can be overcoated easily after long exposure periods.
Cures at low temperatures.
Conforms to BS5493 parts KF2C and KU2A

Technical and General Information

(mixed material at 20°C)

Colour Range	BS4800 and RAL (others may be possible)
Sheen Level	High gloss.
Specific Gravity	1.40
Solids by Volume	56% approximately
Dry film Thickness Range	40 - 50 microns
Theoretical Spreading Rate	14 square metres per litre at 40 microns DFT (loss factors will apply in practice)
Surface Dry	1 hour
Overcoating Interval	12 hours minimum Maximum unlimited
Complete cure	7 days
Pot life	6 hours
Induction interval	None





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(Individual components)

Storage Life	12 months minimum
Flash point (Abel)	28°C
Volume mix ratio	7 base components 1 activator components

Suitable Surfaces

Steel and non ferrous metals properly prepared and primed. Wood, fibreglass, concrete and mineral substrates free of contamination, dust and efflorescence, and properly prepared. Suitable existing epoxy and polyurethane coatings cleaned and abraded as necessary.

Application Climate

Substrate temperature can be -5°C or above for application and during cure, if free from water and ice and a minimum of 3°C above the dew point. Adequate dry air ventilation should be supplied during drying. Relative humidity must be below 80% during application.

Application Information

Thinning should only take place after the two components have been thoroughly mixed. Application and use should always conform with the codes of practice described in BS 6150 and BS 5493

Brush and Roller

Thin if required with 0-5% Bradite TP33 thinner.

Conventional Air Spraying

Thin with 5-15% Bradite TP33 thinner, as required.

Tip size - 1.5mm

Tip pressure - 60psi (0.4Mpa) approximately





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Airless Spraying

Thin with 0-10% Bradite TP33 thinner, as required
Tip size - 13 thou (0.33mm) approximately
Tip pressure - 2100 psi (15Mpa) approximately

Cleaning Thinner

Equipment should be cleaned immediately after use with Bradite TP33 thinner.

Summary Safety Information

Always refer to the Health and Safety sheet for the product before use, and observe the warning phrases on the label. In general avoid inhalation of spray mist and skin contact by the use of masks, gloves and other personal protection. Eyes should be copiously washed with water or proprietary wash, and medical attention obtained.

Skin should be thoroughly washed using a cleanser and soap and water. Product is flammable. No sparks or flames. No smoking

Cross Reference: Systems.

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