



PALAGRIP

Issue – PG - 0703

**INTERIOR OR EXTERIOR
APPLICATION**

**MULTI-PURPOSE GAP
FILLING ADHESIVE**

**SOLVENT-BASED QUICK
DRYING FORMULA**

DESCRIPTION:

PALAGRIP is a one component, cartridge applied, solvent-based compound of styrene butadiene rubber / Neoprene based resins which dries quickly to develop a high-strength, waterproof and flexible bond with virtually all types of common building surfaces including plywood, rigid UPVC, metal sheeting, brickwork, stone, ceramic tiles, concrete, plaster and plasterboard especially useful in applications where restricted space makes the use of a mechanical fixing prohibitive. Applications where PALAGRIP demonstrates ideal adhesion properties are as follows:

STAIR NOSINGS SKIRTINGS CARPET GRIPPERS ARCHITRAVES EDGING STRIPS
DADO RAILS BEADING LIGHT FITTINGS WALL PANELS WINDOW FRAMES

PALAGRIP has excellent initial grab even when bonding two impermeable surfaces together (e.g. metal to dense concrete) and is ideal for vertical applications where high early strength is essential, such as fitting plasterboards, insulation tiles and wall panels to timber battens.

SURFACE PREPARATION:

All surfaces must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. Gypsum finishing plaster or cement render should be at least 4 to 6 weeks old, thoroughly dry and wiped clean of dust, efflorescence and loose flaking material. Highly polished (shiny) plaster surfaces should be roughened with a stiff brush, removing all loose fines. All porous masonry surfaces should be primed with PVA or PLASTERBOND SBR diluted as 1 part to 3 parts with water and allowed to dry. All wood-based surfaces, (plywood, chipboard and composite panel-boards) should be dry, sealed on all exposed faces and edges, cut and conditioned to the environment where they are to be fixed. Remove areas of unsound (emulsion based) paint from walls and when bonding to existing tiles ensure they are securely fixed in all areas.

APPLICATION METHOD:

When surfaces are ready for fixing, cut the cartridge tip, fit the nozzle and cut the end at a 45° angle to permit easy extrusion from the cartridge gun of a bead of adhesive, about 6mm in diameter and gun out along the bonding surface, spacing each bead on lightweight wide profiles by no more than 300mm and where necessary on vertical walls (for dense heavier materials) provide temporary support by tacking a batten beneath the lowest panel. Unite the bonding surfaces by pressing firmly and sliding into position and repeatedly pushing the faces together to extrude any excess adhesive and entrapped air. On impermeable, non-porous surfaces (metal, ceramic tiles and UPVC), initial grab can be improved by first uniting the bonding faces to compact the PALAGRIP and then parting the two components and allowing the exposed adhesive to remain open to air for no more than 5 minutes before firmly re-uniting the two surfaces with firm precise pressure. Final movement or positioning of the bonded items should be carried out within 5 minutes of fixing and temporary support battens or panel pins can be tacked into a fixed position until the bond has dried. [NB. PALAGRIP is not suitable for use with polystyrene or foamed PVC mouldings]. Accidental spillage or excess loadings of PALAGRIP can be wiped away from exposed surfaces using a cloth dampened with white spirit to leave a smooth clean edge, however this should be carried out within 30 minutes otherwise PALAGRIP may become too dry and hard to shift.

COVERAGE:

PALAGRIP is supplied in a standard size polyamide cartridge and will be sufficient to extrude just over 10 linear metres of a 6mm diameter bead onto a smooth and flat even surface.

HEALTH & SAFETY:

PALAGRIP is classified as HIGHLY FLAMMABLE and HARMFUL and should not be used where there is risk of exposure to a naked flame or sources of ignition. When working in confined areas, ensure adequate ventilation is provided or suitable respiratory protective equipment.

TECHNICAL SUMMARY:

APPEARANCE	APPLICATION TEMP	OPEN TIME	FULL DRYING TIME	COVERAGE:
Smooth pale brown paste	5°C to 30°C	10 minutes @ 20°C	24 hours (porous walls)	

STORAGE & PACKAGING:

PALAGRIP is supplied in a standard 300ml polyamide cartridge and has a storage life of not less than 12 months if kept in dry, un-opened conditions in a cool well-ventilated environment.

Consult the PALAGRIP material safety data sheet for advice on handling and safety procedures.

Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

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SUBSTANCE IDENTIFICATION:

PALAGRIP

COMPOSITION:

Viscous paste contains SBR & Neoprene resins:

13 – 16% Mixed Aliphatic / Aromatic.

Toluene @ 7 – 9%

EEC No. 265-185-4

CAS – 64742-82-1

HAZARDS CLASSIFICATION: HIGHLY FLAMMABLE. HARMFUL
May cause lung damage if swallowed; Toxic to aquatic organisms;
May cause long term adverse effects in the aquatic environment

Repeated exposure may cause skin dryness and cracking

Keep out of reach of children

Keep away from sources of ignition – No smoking.

If swallowed do not induce vomiting – seek medical assistance.

Do not breathe vapour. Avoid contact with skin and eyes.

FIRST AID MEASURES:

INHALATION:

Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

SKIN CONTACT:

Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

INGESTION:

Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.

EYE CONTACT:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

FIRE FIGHTING MEASURES:

Recommended extinguishers – Dry powder; Foam, CO2 – Do not use water jets.

Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.

Special procedures – Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product.

ACCIDENTAL RELEASE MEASURES:

Ventilate area and eliminate all sources of ignition. Absorb and scrape spillages onto sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for flammable products. See Protective Equipment section for advice when handling spillages.

HANDLING & STORAGE:

Handling: Ensure adequate ventilation and use all recommended personal protective equipment

Storage: Store in well-sealed, clearly marked containers. Keep out of reach of children in a cool well-ventilated environment preferably within a lockable metal cabinet.

EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:

Occupational Exposure limit: 188mg/M3 for 8hr TWA or 560mg/M3 for 15 min TWA for Toluene component –

Respiratory: Good ventilation is required otherwise use an organic vapour filtered face mask in confined spaces.

Hand: Wear 17" long elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.

Eye: BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact

Skin: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately.

SAFETY DATA SHEET No. 087 – issue date 27-06-03

PRODUCT: PALAGRIP

PHYSICO-CHEMICAL PROPERTIES:

Appearance – Pale brown viscous paste in a cartridge
 Boiling point range – Toluene @ 110°C
 Water solubility - insoluble
 Auto ignition temp – 230°C – Mixed hydrocarbons
 Specific gravity – 1.28
 Miscibility – solvents not water.

Vapour pressure – n/a
 Odour – Aromatic oil based hydrocarbon.
 Flash point - < 12°C – HIGHLY FLAMMABLE
 Vapour pressure (air =1) – 4.6.
 Viscosity – 10,000 – 15,000 cps
 Flammability – Lower 0.9% - Upper 8.0%

STABILITY & REACTIVITY:

Stable – No dangerous chemical reactions known – hazardous polymerisation will not occur.

Materials to avoid – Oxidising agents; Conditions to avoid – sources of ignition.

TOXICOLOGICAL INFORMATION:

LC50 Inhalation rats – 4600ppm – Toluene; LD50 Oral rats – 5g / kg

Routes of exposure – Inhalation, skin contact and ingestion.

Health effect – prolonged inhalation may cause headaches and Depression of the CNS.

Acute effects of inhalation – coughing and eyes watering.

Acute effects of skin contact – redness, irritation and sensitisation.

Acute toxicity: Skin irritation

Sensitisation: dermatitis

Carcinogenicity: n/d

Irritation / Corrosivity: N/A

Mutagenicity: n/a

Reproductive toxicity: n/a

ECOLOGICAL INFORMATION:

Bio-accumulative potential – negligible (no data available).

Toluene components is harmful to aquatic life, but has low bio-accumulative potential

Environmental Persistence – No data available

DISPOSAL CONSIDERATIONS:

Dried residues are non-hazardous and non-flammable, although tools used to apply the product will retain a flammability risk until they are either laundered or allowed to dry completely. Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids / paints.

TRANSPORT INFORMATION:

UN/SI No. 1133; IMO Class 3; Packing Group II; Marine Pollutant – YES.

IATA / IACO: Class 3; Packing Group II; ADR / RID Class 3, ADR label No. 3

Transport Name (UK Road) – Toluene.

Hazchem Kemler code: 3 (Y) / 30

REGULATORY INFORMATION:

CHIP Hazard symbols: R11, R51, R53, R65, R66 – Flammable; Harmful

Safety phrases: S2 – S16 – S24 – S25.

Other regulatory controls: Health & Safety @ Work Act 1974;

Control of Substances Hazardous to Health Regulations 1994. Environmental Protection Act 1990.

FURTHER INFORMATION:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work.