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NAIL-FREE

DURABLE AND FLEXIBLE SEALER FOR COMMON BUILDING SURFACES

- BRILLIANT WHITE FLEXITUBE
- MULTI-PURPOSE GAP FILLING ADHESIVE
- WATER BASED, NON-FLAMMABLE, HIGHLY FLEXIBLE BONDING AGENT
- FUNCTIONS ON A LARGE RANGE OF POROUS OR SEMI POROUS SURFACES
- EXCELLENT INITIAL GRAB ALLOWING FOR HIGH STRENGTH FIXING



TECHNICAL SUMMARY

UNIT SIZES	250ml
COLOURS	Brilliant White
ADJUSTABILITY TIME	15 minutes @ 20°C
FULL DRYING TIME	24 hours (Porous Walls)*
APPLICATION TEMPERATURES	5 - 30°C

* Dependent on temperature of substrate and site conditions

PALACE NAIL-FREE

Is a one component, cartridge or flexi-tube applied, water-based adhesive incorporating a high-strength emulsion copolymer, with excellent initial grab, which dries to develop a high-strength, highly flexible bond with virtually all types of porous or semi-porous building surfaces.

BRILLIANT
WHITE

EXCELLENT
INITIAL GRAB

NAIL-FREE

Water Based Adhesive



DESCRIPTION

NAIL-FREE is a one component, cartridge or flexi-tube applied, water-based adhesive incorporating a high strength emulsion copolymer, with excellent initial grab, which dries to develop a high-strength, highly flexible bond with virtually all types of porous or semi-porous building surfaces including timber, plywood, polystyrene, expanded PU foam, brickwork, stone, cardboard, MDF, plaster and plasterboard and is especially useful in applications where restricted space makes the use of a mechanical fixing prohibitive. Typical applications where **NAIL-FREE** finds its niche are as follows:

- Polystyrene Coving
- Skirtings
- Carpet Grippers
- Plaster Mouldings
- Dado Rails
- Beading
- Decorative Fittings
- Foam Insulation

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 very porous masonry surfaces should be primed with PVA or **TILERS PRIMER SBR** diluted as 1 part to 3 parts with water and allowed to dry. All wood based surfaces, (plywood, chipboard and composite panelboards) 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 in a continuous ring within 10mm of the edges of the panel. Lengthy fitting such as beading or Dado rails should receive the bead of adhesive as a zig-zag along its full length before offering the item to the wall. 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. Final movement or positioning of the bonded items should be carried out within 10 minutes of fixing and for heavy or dense materials temporary support battens or panel pins can tacked into a fixed position until the bond has dried. Accidental spillage or excess loadings of **NAIL-FREE** can be wiped away from exposed surfaces using a cloth dampened with water to leave a smooth clean edge, however this should be carried out within 30 minutes otherwise **NAIL-FREE** will begin to skin over and become more difficult to remove.

COVERAGE

NAIL-FREE when supplied in a standard size gun extruded cartridge and will be sufficient to extrude just over 10 linear metres of a 6mm diameter bead onto a smooth and flat even surface. In a flexi-tube coverage will be about 8 linear metres of a 5mm diameter bead.

STORAGE AND PACKAGING

NAIL-FREE 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 **NAIL-FREE** material safety data sheet for advice on handling and safety procedures.

HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when mixing & applying this product to ensure protection from airborne dust and skin contact with the mixed liquid product. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk

QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint by developing products such as this which have a lower environmental impact.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 – FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

NAIL-FREE

Water Based Adhesive



TECHNICAL ADVISORY SERVICE

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

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

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