

Issue – HPHD/1010

EASY TO APPLY INSTANT GRAB

Description:

HOUSEPLAN HEAVY DUTY is an off-white ready mixed acrylic-based paste, suitable for use as a thin-bed ceramic tile adhesive and conforms to BS 5980 Type 2 Class B (BS EN 12004 Type D, Class 1T). Suitable for fixing all types of ceramic wall tiles, including mosaics, porcelain and vitrified tiles in internal locations such as bathrooms, kitchens and domestic shower areas. HOUSEPLAN HEAVY DUTY can be applied to gypsum plaster, plasterboards, cement fibre-board, existing tiles, cement render, concrete block-work, timber panels and plywood composite-boards. HOUSEPLAN HEAVY DUTY acrylic based formula also gives outstanding non-slip properties even when fixing the heavy duty wall tiles.

Surface Preparation:

All surfaces must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. Gypsum finishing plaster 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 plaster and porous masonry surfaces should be primed with TILERS PRIMER SBR diluted as 1 part to 3 parts with water and allowed to dry. All wood-based surfaces, (plywood and composite panel-boards) should be dry, sealed on all exposed faces and edges and then primed using TILERS PRIMER SBR diluted as 1 to 3 parts water. Timber boarding should be waterproof rated, 15mm thick and be screw fixed at 300mm centres to provide a dimensionally stable background as described in BS 5385. All boards must be level, showing no edge protrusions and be fixed in place with a 0.5 to 1mm gap to avoid expansion stresses between the boards and around the wall corners. Remove areas of unsound (emulsion based) paint from walls and when tiling over existing tiles ensure they are securely fixed in all areas. Thoroughly clean and dry non-porous surfaces and slightly score out joints to provide a key.

Application Method:

HOUSEPLAN HEAVY DUTY is intended for application by a notched trowel (5mm x 5mm notch at 10 - 25mm centres) to give a ribbed bed on the wall surface, into which the tiles are firmly bedded with a twist and slide action to ensure complete contact. The position of the tiles can be adjusted up to 10 minutes after initial fixing. Open time of the exposed adhesive bed is approximately 25 minutes, depending on surface porosity and site conditions, however in warm rooms this period may be reduced – check the adhesive remains “tacky to touch” as fixing proceeds. Do not trowel out an area of adhesive greater than can be tiled over within a 10 minute period (about 1 square metre). The final adhesive bed depth should be in the range of 2 to 3mm and grout joints should be at least 2mm, unless self-spacing tiles are used. Ensure all adhesive residues remaining on the tile face are wiped clean with a moist cloth as fixing proceeds, and rake out any excess adhesive from within the grout joints. HOUSEPLAN HEAVY DUTY should not be applied onto walls affected by penetrating damp, in areas of persistently high humidity or when the room temperature is below 5°C. When fixing

NON-SLIP FIXING FOR HEAVY DUTY WALL TILES

SUITABLE FOR DOMESTIC SHOWER AREAS

porcelain tiles the drying time of the adhesive will be significantly extended therefore grouting should be delayed until the adhesive is fully dry, additionally any porcelain tiles of size 300mm x 300mm or greater should ideally be fixed using a cement based adhesive. Additionally, all types of large format ceramic tile, i.e. those with dimensions of 300mm x 400mm or more, will also significantly prolong the drying time of this adhesive and a cement based alternative is strongly recommended in such circumstances.

Grouting:

Grouting may proceed as soon as the tile bed is sufficiently firm, which depending upon site conditions can be from 24 hours after fixing on porous surfaces such as plaster or up to 7 days where tiles have been fixed to an impermeable surface such as existing tiles or waterproof boards. These periods however may be prolonged in cold conditions. In areas subject to intermittent wetting, such as domestic showers, always use a waterproof grout such as WHITE WALL TILE GROUT or ready mixed ACRYLIC GROUT. Allow up to 14 days for both the adhesive and grout to fully dry out before contact with water.

Coverage:

Depending on surface texture and porosity, on a typical smooth plastered wall HOUSEPLAN HEAVY DUTY will cover at a rate of 1.6kg per square metre.

 NB1289	
PALACE CHEMICALS Ltd Speke Hall Industrial Estate, Speke, Liverpool, L24 1YA 05 RHPACO100	
EN 12004:2007+A1:2012 – D1T Normal dispersion adhesive with reduced slip for tiling	
Initial Shear adhesion strength	> 1.0 N/mm2
Shear adhesion strength after heat ageing	> 1.0 N/mm2
Open Time: tensile adhesion strength (20min)	> 0.5 N/mm2
Reduced Slip	< 0.5mm
Reaction to Fire	Class E

Storage & Packaging:

HOUSEPLAN HEAVY DUTY is supplied in a 15kg buckets and has a storage life of not less than 12 months if kept in dry, un-opened conditions. Consult the HOUSEPLAN HEAVY DUTY 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.

Technical Summary:

APPEARANCE:	NON-SLIP:	Open time:	Initial drying time:	Coverage:
Smooth off-white paste	For heavy duty wall tiles	25 minutes	24 hours (porous walls)	1.6kg per sq. metre

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