



MASTER-GRIP D2



Issue – MGD2/0414

**BRILLIANT WHITE
KEVLAR RE-INFORCED**

**IMPROVED EARLY STRENGTH
FULLY WATER RESISTANT**

**SUITABLE FOR POWER
SHOWER AREAS**

Description:

PALACE MASTER-GRIP D2 is a brilliant white, ready mixed, fibre-reinforced ceramic tile adhesive with enhanced polymer technology which imparts a quicker drying rate and therefore gives improved early bond strength development, even when used with large format tiles. It can reach more than 50% higher 24 hour strength than equivalent waterproof ready mixed adhesives. MASTER-GRIP's enhanced-drying polymer technology gives a bond with excellent water resistance and its flexibility & vibration tolerance is further boosted by KEVLAR type fibre reinforcement, whilst its brilliant white colour makes it ideal for fixing natural stone, mosaics & glass tiles in bathrooms, showers, kitchens and frequently wet indoor areas.

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 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 diluted as 1 to 3 parts water. Timber boarding should be waterproof rated, 15mm thick and be screw fixed at 150mm centres to provide a dimensionally stable background as described in BS 5385. In frequently wet areas where MASTER-GRIP D2 is used it is not recommended that wall panels be constructed from plasterboard or any composite material, which does not have some degree of water resistance. 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. Thoroughly clean and dry tiled or similarly non-porous surfaces and slightly score out joints to provide a key.

Application Method:

MASTER-GRIP D2 is a wall tile adhesive intended for application by a notched trowel (6mm x 6mm notch at 10 mm 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, without any voids or gaps remaining beneath the tiles. The position of the tiles can be adjusted up to 10 minutes after initial fixing. Open time of the exposed adhesive bed is up to 30 minutes at ambient temperatures, 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. MASTER-GRIP D2 should not be applied onto walls affected by penetrating damp, or when temperature is below 5°C. When fixing porcelain tiles the drying time of the adhesive may be slightly longer therefore grouting should be delayed until the adhesive is fully dry. Additionally large format and heavy duty tiles on impermeable surfaces may benefit from temporary battening and support to allow sufficient time for the early bond strength between tile and substrate to develop.

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. Wipe off excess grout with a damp cloth and allow a minimum of 14 days for both the adhesive and grout to fully dry out before subjecting the tiled area to direct contact with water.

Coverage & Classification:

Depends on the surface texture and porosity, however on a typical smooth plastered wall MASTERGRIP D2 will cover at a rate of 1.6kg per sq. metre (9 sq. metres per 15kg bucket).

 NB1289	
PALACE CHEMICALS Ltd Speke Hall Industrial Estate, Speke, Liverpool, L24 1YA 54-13 / 1-CPR/20-13	
EN 12004:2007+A1:2012 – D2T	
Improved 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
Adhesion strength after water immersion	> 0.5N/mm2
Adhesion strength at elevated temperatures	> 1.0 N/mm2
Reduced Slip	< 0.5mm
Reaction to Fire	Class F

Storage & Packaging:

MASTER-GRIP D2 is supplied in a 15 kg; buckets and has a storage life of not less than 12 months if kept in dry, un-opened conditions. Consult the MASTER-GRIP D2 material safety data sheet for advice on handling and safety procedures. Should further more specific technical information be required, contact the Technical helpline on 0151 486 6101

Technical summary:

Appearance:	Water resistance:	Open time:	Initial drying time:	Coverage:
Brilliant white paste	For frequently wet areas	30 minutes	24 hours (porous walls)	1.6kg per sq. metre

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.



EN ISO 9001

FM 01010



PALACE CHEMICALS Ltd
Speke Hall Industrial Estate, Speke, Liverpool, L24 4AB
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail: sales@palacechemicals.co.uk



EN ISO 14001

EMS 85788

