

# PROFESSIONAL WATER RESISTANT

Federation  
Great Britain**PROFESSIONAL** TILING  
RANGE

Professional Water Resistant is a high grab, non-slip, mould resistant, ready-mixed, thin-bed adhesive. It is designed for fixing interior ceramic wall tiles, mosaics and small porcelain tiles in areas where tiles come in to frequent contact with water including showers, kitchens and bathrooms. Professional Water Resistant can be used on flat internal walls including plasterboard, sand and cement render and gypsum plaster at bed depths of up to 3mm.

**READY MIXED**  
**WATER RESISTANT**  
**MOULD RESISTANT**  
**IDEAL FOR POWER SHOWERS**  
**BS EN 12004 D2**



**TECHNICAL INFORMATION**

PRODUCT INFORMATION	
<b>FORM:</b>	Paste
<b>STANDARD COLOUR(S):</b>	Off White
<b>HAZARD INFORMATION:</b>	Non-hazardous in normal use – Consult Safety Datasheet before use
<b>CLEANING:</b>	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.
<b>PACKAGING:</b>	15kg Plastic tubs
<b>STORAGE CONDITIONS:</b>	Store in sealed containers in dry conditions, protected from extremes of temp.
<b>SHELF LIFE:</b>	9months in unopened manufacturer's packaging
APPLICATION INFORMATION	
<b>BED THICKNESS:</b>	3mm max.
<b>MIN. APPLICATION TEMP:</b>	5°C
<b>OPEN TIME:</b>	20 min
<b>SETTING TIME:</b>	24 hrs (Can take up to 72hrs to harden and set at lower temperatures, with low porosity or large tiles and on low porosity substrates)
<b>COVERAGE:</b>	6-8m <sup>2</sup> /15kg tub depending on application
<b>BED THICKNESS:</b>	3mm max.
PERFORMANCE INFORMATION	
<b>INITIAL SHEAR STRENGTH:</b>	≥ 1 MPa
<b>SHEAR STRENGTH AFTER HEAT AGEING:</b>	≥ 1 MPa
<b>SHEAR ADHESION AFTER WATER IMMERSION:</b>	≥ 0.5 MPa
<b>CLASSIFICATION:</b>	Type D2

## DIRECTIONS FOR USE

### PREPARATION

ALL: All substrates should be dry and free from dust or other contaminants. All substrates should be sound, dimensionally stable and able to carry the load of the tiling installation.

Sand/Cement Render: New render should be at least 14 days old and thoroughly dry. If surface is particularly porous, then prime as detailed below.

Plaster: New plaster should be allowed to dry for 28 days before tiling. Particularly smooth or polished plaster surfaces should be brushed thoroughly with a stiff brush and primed as detailed below. If surface is particularly porous, then prime with Acrylic primer diluted 1:1 with water.

Glazed Surfaces (Existing Tiles): Ensure area is completely sound and firmly adhered to substrate.

### APPLICATION

Mixing is not required; product is supplied ready for use. Showerproof should be applied at a maximum bed depth of 3 mm with a notched trowel. Only apply adhesive to ~1m<sup>2</sup> at a time as the applied adhesive will have a working time of 10-20 min depending on site conditions. If in doubt, check to ensure that the spread adhesive is still tacky and has not skinned. Press tiles firmly into the adhesive bed with a twisting action. Ensure 100% of the tile is in firm contact with adhesive in wet areas. Remove surplus adhesive from the face of the tiles and from the grout joints whilst still wet using a damp cloth.

### GROUTING

Under normal drying conditions Professional Water Resistant will be ready for grouting after 24 hours. Always ensure that the tiles are firm and adhesive bed is dry before grouting. When tiling onto low porosity substrates or in poor drying conditions, delay grouting for approx. 3 days. Grout with Larsen Wall Grout or Professional Stain Resistant Grouts.

### RESTRICTIONS

All tiling should be carried to current best practice, including British Standards and TTA Guidance documents. Spot fixing of tiles is not recommended. Maximum bed depth should not exceed 3mm. A cement based tile adhesive e.g. Trade Standard Set Flex or Pro Flexible Standard Set+, is recommended when fixing larger format tiles i.e. >0.05m<sup>2</sup>

Ready mixed tile adhesives set and gain strength by drying, therefore, hardening will take much longer at low temperatures, on non-porous substrates, with low porosity tiles, with larger tiles or in thick beds. Always ensure adhesive is set before grouting. Showerproof is not suitable for use in swimming pools, areas subject to standing water, on floors or externally. Always use a water resistant tile grout in domestic showers. Tiling onto painted surfaces is not recommended, however sound, hard gloss paint may provide a suitable base for tiling. When tiling onto timber substrates, flexible cement based adhesives are preferred, e.g. Pro Flexible Standard Set+.