

Issue – HPFSWH / 0809

**LOW ODOUR
WATER BASED**

**DRIES TO A FLEXIBLE
WATERPROOF SEAL**

**OVERPAINTABLE WITH
MOST DOMESTIC PAINTS**

Description:

ACRYLIC FRAME SEALANT is an emulsion-based sealant, available in BROWN or WHITE and ideal for sealing around interior walls, windows and door frames, where the joint is not subject to excessive movement and deflection. This versatile sealant readily extrudes from a cartridge with minimal gun hand pressure and will form a tough durable rubber seal joint by the evaporation of moisture. FRAME SEALANT is ideally suited for interior applications and demonstrates excellent adhesion to a wide range of building materials such as bare, painted or varnished wood, plaster cove and ceiling mouldings, plastic wall sockets, concrete block-work, glazed and un-glazed tiles, brickwork, floorboards, skirting edges, architraves and PVCu window frames.

Preparation:

Ensure all joint areas, voids and contact surfaces are dry, clean and free from dirt, grease and loose surface coatings. Do not apply to joints where there is likely to be movement in excess of +/- 15% of the joint width. Use a sharp knife to cut off the tip of the cartridge, whilst leaving sufficient thread in place to engage with the nozzle. Cut the nozzle tip at a 45° angle and at a point to give the required joint width. (Usually 6mm for most sealing applications).

Application:

Fit the cartridge into a suitably sized skeleton gun and slowly, but consistently extrude the sealant into the joint, whilst at the same time drawing the cartridge along the line of the joint to ensure even placement. In deep bed applications such as movement joints (> 10mm), it is advisable to insert a PU foam backer strip to control joint depth adhesion to the background substrate. FRAME SEALANT can be smoothed into the joint within 5 minutes of application using a pallet knife, or similar tool to give a blemish-free even surface. FRAME SEALANT has a tack-free time of about 8 minutes and will start to form a durable skin after about 30 to 40 minutes and depending on joint depth, temperature and humidity will take two to three days to achieve complete cure through the joint (typically at a rate of 1mm / 24 hours). FRAME SEALANT is not suitable for use in exposed exterior locations, in fully immersed applications or in aquaria and the joint should not be exposed to contact with moisture until the sealant joint has fully cured.

Coverage:

FRAME SEALANT will seal linear joints up to the following length (shown in metres below) when consideration is given to both the width and depth of the joint to be filled. In deep movement joints it is advisable to use PU backer foam strips to maximise sealant output:

# cure thru time is about 1mm every 24 hours	JOINT WIDTH IN mm					
	6	12	15	20	25	
JOINT DEPTH IN mm	3	17	8.5	6.8	5.1	4.1
	6	9	4.5	3.6	2.7	2.2
	8	6.6	3.3	2.6	2.0	1.6
	10	5.2	2.6	2.1	1.6	1.3
	12	4.4	2.2	1.7	1.3	1.1

The coverage rates shown in the above table are for guidance purpose only and do not take into full consideration the effects of site conditions and wastage when the tiled face is cleaned and polished.

Technical Summary:

MOVEMENT FACTOR:	ELONGATION	DENSITY:	APPLICATION TEMPS:	SHORE HARDNESS	FULL cure time:
+ / - 7.5 %	Not > 200%	1.7	+5°c up to 40°C	40	1 - 4 days (#)

Storage & Packaging:

FRAME SEALANT is supplied in standard cartridges (12 per case) and has a storage life of not less than 12 months if kept in dry, un-opened conditions. Consult the FRAME SEALANT 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.