



BATHROOM & KITCHEN SEALANT

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DESCRIPTION

GRAFT® BATHROOM & KITCHEN SEALANT is a high performance, professional quality, easy to use sealant. Based on the innovative new Inert Polymer Technology, it is suitable for sealing around kitchen worktops, sinks, toilets, bathrooms and showers. This product is CE marked for sanitary applications and out performs conventional sanitary silicones, MSP's, butyl & acrylic based products as a sealant.

GRAFT® BATHROOM & KITCHEN SEALANT is based on IPT which is a non-reactive environmentally friendly chemistry that ensures compatibility with most building materials and has the unique property of moving dynamically to accommodate the natural or unexpected movements of sealed/bonded joints within a building, for long-lasting performance.

SUBSTRATES

GRAFT® BATHROOM & KITCHEN SEALANT can be used as an adhesive and has excellent initial grab quickly developing a high bond strength resulting in a permanent fixing. It is easy and economical to apply and is ideal for all sanitary applications fixing and bonding.

GRAFT® BATHROOM & KITCHEN SEALANT bonds to most building materials. Substrates include:

- Brick, concrete, stone, slate, ceramic, marble, granite
- Timber, plywood, block board, chipboard & fiberboard
- uPVC plastic trims and polycarbonate
- Insulating board
- Expanded polystyrene
- Plasterboard and plaster
- Metals, aluminium, steel, lead, copper and alloys
- Painted surfaces

Surplus uncured material can be easily removed using a damp cloth as the uncured sealant is completely soluble in water.

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PROPERTIES

GRAFT® BATHROOM & KITCHEN SEALANT has a **25 year mould free guarantee**, remains permanently flexible after cure and is paintable with both alkyd resin and water based paints.

Suitable internal applications include:

- Sealing around kitchen worktops, sinks, toilets, bathrooms, showers and tiled areas
- Sealing where air quality for health is important
- Sealing of gaps around fitted furniture
- Sealing around flooring
- Decorating caulking and sealing
- Air and sound sealing

FEATURES

- Primerless adhesion.
- 25 year mould free guarantee.
- Excellent adhesion to most substrates.
- Dynamic for low and high modulus applications.
- Fast cure - max bond strength is attained in 24 hours.
- 3D joint movement capability minimum 25%.
- Can be used for all applications internally.
- Recommended for use in joints up to 20mm wide, larger joints widths can be accommodated.
- Excellent slump resistance.
- Only sealant technology available that is VOC free.
- Resistant to mould and mildew.
- Non staining of susceptible surfaces.
- Easy to apply and tool.
- Excess can be wiped before curing with a damp cloth.
- Paintable.
- Low shrinkage.
- Does not yellow.



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APPLICATION INSTRUCTIONS

All surfaces must be clean and sound, free from dirt, grease and other contaminants. The surfaces may be damp but not running wet. Use a wet brush to clean surfaces before application to remove loose material and to ensure good contact for adhesion. Primers are not usually required.

In order to obtain maximum performance as a sealant the depth of the joint should be at least half the width and not less than 6mm. The use of backing material is strongly recommended e.g. polyethylene backer rod or mineral wool.

Cut nozzle to the desired angle and gun firmly into the joint to give a good solid fill. Strike the sealant flush with the joint sides within ten minutes of application, before surface skinning occurs. The sealant will have medium shrinkage during cure and a flush finish it is recommended to leave the sealant proud.

The sealant can be tooled to a smooth finish using a moist plastic stick or similar within 30 minutes of application. GRAFT® BATHROOM & KITCHEN SEALANT tooling is designed for the optimum finish and is recommended instead of soap and water as it forms a film between the stick and the sealant.

Do not spray the sealant with water or other fluids before skin formation (<30 min). Uncured sealant is soluble in water prior to skinning due to its environmentally friendly IPT chemistry that uses water instead of solvents.

APPLICATION CHART

A = EXCELLENT B = GOOD C = FAIR

KITCHENS	RATE
Acoustic sealing	A
Concrete / Cellular concrete / Brickwork	A
Drylining	A
Ductwork	A
Fibreboard / Veneer	A
Granite / Marble / Natural stone	A
Internal frame sealing	A
Plumbing	A
Skirting & architraves	A
Solid & untreated wood	A
Stainless steel	C
Untreated & anodised aluminum	C
Woodwork	A

BATHROOMS/SANITARY/PUBLIC BAT HOUSES	RATE
MASONRY	
Cementitious fibre	A
Concrete / Cellular concrete / Brick work	A
Granite / Marble / Natural stone	A
Plaster	A
GLASS / CERAMICS	
Ceramics / Porcelain	B
Layered Glass	C
METALS	
Copper and copper alloys	A
Stainless Steel	C
Untreated and anodised aluminum	A
Zinc	A
SYNTHETIC MATERIALS	
Acrylic / Fibreglass	A
Polycarbonate	B
Polyester	C
PVC and PVCu	A
OTHERS	
Acoustic sealing	A
Dry lining	A
Ductwork	A
Expansion joints	A
Fire sealing	A
Frame fixing	A
Internal frame sealing	A
Low emission zones	A
Plumbing	A
Polyseprene	A
Skirting & architraves	A
Stonework	A
Woodwork	A

USAGE

Joint size (mm)	6x6	9x6	12x6	25x10	7x7 fillet	10x10 fillet
linear metre/ cartridge	8.63	5.5	4.1	1.2	12.0	6.0

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EMISSION DATA (INDOOR AIR QUALITY)

Compound	Emission rate after 3 days	Emission rate after 4 weeks
TVOC	7,7 µg/m ³	< 5 µg/m ³
TSVOC	n.d.	n.d. (< 5 µg/m ³)
VOC w/o NIK	n.d.	n.d. (< 5 µg/m ³)
R Value	< 1	< 1
Formaldehyde	< 3 µg/m ³	< 3 µg/m ³
Acetaldehyde	< 3 µg/m ³	< 3 µg/m ³
Sum for+ace	< 0,002 ppm	-
Carcinogenic	n.d. (< 1 µg/m ³)	n.d. (< 1 µg/m ³)
n.d. = not detected		

GRAFT® BATHROOM & KITCHEN SEALANT complies with the requirements of GEV and the results correspond to the EMICODE emission class EC 1^{PLUS} which is the best possible environmental and indoor hygiene health protection mark.

GRAFT® BATHROOM & KITCHEN SEALANT is the only technology available with no dangerous emissions during usage and curing.

Tested by Eurofins Product Testing, report number G17798A.

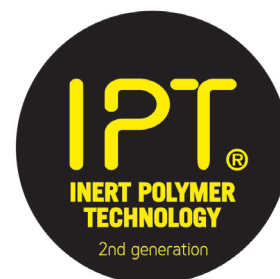
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TECHNICAL DATA

FROM:	Ready to use thixotropic paste	Service Temp	40°C to +75°C
Specific gravity:	1,54 g/cm ³	Classification CE	Facade (interior) 25LM
VOC:	0 g/l		Sanitary joints XS1
Durability w/ageing:	Type X (UV / water) (pass)	Colours	White
Chemical resist.	Test passed (resistant)		
Salt water immersion:	Test passed (resistant)		
Microbiologic growth:	0 (no growth)		
Hardness:	Shore A 47		
Shrinkage:	15%	Packaging:	200ml flexitube, 300ml and 380ml cartridge or 600ml foil.
Tensile properties:	3.79 MPa (379 N/mm ²)		
Tensile elongation:	270%	Health & safety:	No health hazard, indoor hygiene EMICODE EC1 ^{PLUS} classification, approved for BREEAM rated building projects. See safety data sheet.
3D-tensile prop.:	0,24 MPa (24 N/cm ²)		
3D-tensile elong.:	106%		
Tear properties:	50%		
Compression resist:	434 N / 1569 MPa	Test laboratories:	SP Sveriges Provningsverk, SE Intertek Chemicals & Phar., GB BM Trada, GB Eurofins Product Testing, DK .
Radon resistance:	1.5mm thickness gives Z = 2.9 O 108 s/m		
Flashpoint:	None		
Reaction to fire:	Classification D-s2, d0		
Fire resistance	Up to class EI 240	Responsible:	GRAFT® BATHROOM & KITCHEN SEALANT is manufactured by Polyseam Limited in UK
Tack free time:	60 minutes maximum		Phone +44(0)1484 421036.
Skin time:	30 minutes maximum		
Rate of cure	10% at 24 hours		
Solids content	> 80%		
Resistance to flow	< 0.5 mm		
shelf life:	Up to 24 months when stored in un-opened cartridges under cool dry conditions and 6 months in opened and resealed cartridges. Avoid temperatures above 35°C & below 5°C		
Frost:	Uncured sealant should not be frozen. 0,845 W/mK (+/- 3%) at 20mm depth		
Thermal	(to EN 12667)		
Conductivity.	Can be used in contact with most build-		
Compatibility.	ing and decorating materials		



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