



# HB42<sup>®</sup> All-in-One | SEALANT & ADHESIVE

GEV EC1 Approved

28/8/13 - Vs.1

## TECHNICAL DATA SHEET

### HB42 SEALANT & ADHESIVE / White, Clear, Black & Grey/ 290ml cartridge

Sealant & Adhesive  
Interior & Exterior  
Works in wet (even underwater)  
Flexible (Non shrinking)  
Durable  
Can be over-painted  
Solvent free  
Suitable as mirror adhesive  
Bonds to almost anything (incl. lead)  
Odourless  
EC1 rated, very low VOC's.  
Food safe

Conforms to ISO 11.600 F25 HM classification for building construction  
Conforms to EC No. 1935/2004 for materials intended to come into contact with food.  
GEV Approved no: 4408/19.02.10: EC1 Classification for very low emissions  
Hilton Banks Ltd: GEV Member OM-064

#### Uses:

Sealing joints around sanitary fixtures  
Sealing joints around windows & doors (can be over-painted)  
Weatherproofing joints  
For use in glazing systems  
Fixing skirting, panels, windows, thresholds, insulation materials  
Fixing mirrors  
Seals & bonds glass  
Bonds & seals wood, stainless steel, aluminium, porcelain, UPVC, coated metal, polystyrene  
May be used safely in food preparation areas

#### Application:

Ensure surfaces are clean & dust free. Cut the cartridge seal and screw on the nozzle, having cut to required size. Using a skeleton gun, apply sealant into the gap or joint to provide a good solid fill. If



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required place masking tape along the edges, removing within 10 minutes of application. Use a sealant finishing tool or a stick wetted with soapy water to achieve smooth finish. For bonding applications, apply in vertical lines at a distance of 30cm. Support the application for 24 hours until full curing occurs. If painting, use a water-based paint.

## Health & Safety

Contains Bis – (1.2.2.6.6-pentamethyl-4-piperidyl) sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-(3-(dimethoxymethylsilyl)propyl)ethylenediamine. May produce an allergic reaction. See safety data sheet, available on [www.hiltonbanks.com](http://www.hiltonbanks.com)

## Limitations

HB42 Sealant & Adhesive is not recommended for use on PE, PP, Teflon, wax, neoprene and bituminous surfaces. Not suitable for aquaria. Not paintable with alkydresin paint. Not suitable for sealing insulation glass or in contact with PVB foil or coat glass. On porous surfaces such as concrete, a primer is recommended. HB42 Clear sealant is not UV resistant or suitable for use on natural stone. It is the users' responsibility to determine suitability, tests prior to application are recommended. Store between +5 & +25 degrees centigrade in cool dry conditions.

## Liability

The information given is the result of tests and experience and is believed to be accurate & reliable. As Hilton Banks Ltd cannot know all the uses that HB42 Sealant & Adhesive may be put to or control how it is applied, it is the responsibility of the user to determine suitability of use.

## TECHNICAL DATA

## COLOURS

## CLEAR

Slump ISO 7390	mm	<2	<2
Density	g/ml	1,53	1,06
Skin forming time 23 °C/55%RH	min	10	10
Max movement allowed ISO 9040	%	25	25
Temperature resistance after curing	°C	-40- +100	-40- +100
Shrinkage		nil	nil
Curing (24 hours) 23 °C/55%RH	mm	2-3	2
<b>Mechanical properties</b>			
<b>2mm film</b>			
Hardness, Shore A DIN 53505		60	45
Modulus, 100% DIN 53504	MPa	1,35	1,15
Tensile strength DIN 53504	MPa	2,20	2,40
Elongation at break DIN 53504	%	300	250



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