TECHNICAL DATA

OB1™ JOB DONE

WHITE	BLACK	BEIGE	GREY
BROWN	TERRACOTTA	ANTHRACITE	

Shrinkage	nil	nil
Flow	5 Bar / 3mm / 23 °C	140 g/min
Skin cure	23 °C 50% R.H.	8 minutes
Non-adhering	23 °C 50% R.	25 minutes
Full cure time	23 °C 50% R.H.	24hrs - 6mm 48hrs - 7/12mm

CHEMICAL RESISTANCE	
Good	Water, seawater, aliphatic solvents, oils, greases, diluted organic acids. Practically no dirt attachment.
Moderate	Esters, Ketones, Aromatics, chlorine for swimming pools chlorinated solvents.
Bad	Concentrated Acids

E-Modulus 100%	172 N/mm² / 1,72 MPa
Volume shrinkage after cure	<3%
Hardness – DIN 53505	60 Shore A
Tensile strength	2,20 N/mm² / 2,65 MPa
Thermal stability	-40 °C till +120 °C Peak: 155 °C max. 30min
Elongation at rupture – DIN 53504	>350%
Non toxic	EC1 & EC1 A+ Certified

Shelf life	18 Months
1	Measured to ISO 9040
2	Measured to DIN 53504
3	Measured to DIN 53505

All above tests according to ISO 11.600 25HM
ETAG 022 Annex E,B & Additional tests of Annex F.
ISEGA Food Approval.

OB1™

MULTI-SURFACE CONSTRUCTION SEALANT & ADHESIVE

APPLICATIONS

BONDS ALUMINIUM & WOOD

Depending on its moisture, softwoods and hardwoods expand and contract constantly, and some more than others. Aluminium expands and contracts in accordance to temperature. **OB1** will maintain its robust bond when cured from -40°C to +120°C and therefore is able to cope in harsh external weathering conditions and in a refrigerated environment. Its bond has the ability to elongate up to 350%.

FOOD SAFE FORMULA

OB1 conforms to ISEGA Standards so it is the perfect solution for use in kitchens and food preparation areas. **OB1** bonds & seals marble, granite and quartz worktops in kitchens plus it's guaranteed not to attack or stain surfaces.

MARINE & POOL SEALANT

The original formula makes **OB1** the ideal sealant for under water applications even resistant to saltwater. Its hybrid polymer formulation can be applied under water and retains its initial bond. It also acts as a structural underwater bond in closed-face applications in swimming pools such as floor and wall tiles without the need to drain the pool.

CARBON FIBRE, FIBREGLASS & GRP

For instant repair or bonding with carbon fibre materials, fibreglass and GRP, this all-in-one sealant, adhesive and filler is all you'll ever need. **OB1** withstands vibration.

PLASTIC TO METAL & STEEL

The original solvent free hybrid polymer formula used in **OB1** allows flexible adhesion that can move with the expansion and contraction of metal and steel without etching or burning the surfaces. For polypropylene and polyethylene contact manufactures technical services.

ENVIRONMENTALLY SOUND

OB1 contains no solvents or isocyanates resulting in an A+ rating for air quality. It is odourless and kind to the environment as well as being safe for use in residential, domestic and industrial applications.

SOLAR PANELS

Typically solar panels are installed with mechanical fixings drilled into the roof substrate. They are sealed with silicone mastics which contain a solvent base. The solvent will eventually evaporate causing the mastic to collapse hence the seal/bond line failing. **OB1** does not contain any solvents so it will never crack, shrink or collapse, creating a permanent seal/bond. In addition it has a high resistance to weathering.

MIRROR ADHESIVE

OB1 original formulation has no solvents or isocyanates so it will not degrade the back of mirrors. It also has an exceptionally strong initial grab. Depending on size and weight of mirror in most cases **OB1** does not require additional fixings while curing.

SUPERIOR FOR BATHROOMS

OB1 features Zero VOC's (volatile organic compounds) so it cures absolutely solid with no holes – unlike other sealants where bacteria can breed resulting in mould.
OB1 never shrinks or cracks.

BONDS & SEALS LEAD FLASHINGS

Perfect for roofing applications, **OB1** seals, grips and fills lead flashings to stone, brick and felt – even in the wet!

FIX LEAKING GUTTERS

Gutters leak when the EPDM Seal degrades from exposure to the elements. Silicone sealants are often used to repair the seal, but the surface has to be dry first. Solvents within the sealant will evaporate causing it to shrink and collapse on the seal/bond line resulting in failure. **OB1** performs flawlessly even when applied under water, doesn't contain solvents, so therefore will never shrink or crack. It's the perfect repair for leaking gutters.

GARDENING REPAIR

OB1 the multi-surface garden repair product fixes your terracotta, ceramic, cracked concrete, slate and even broken pots and planters whether dry or wet. Repair garden pond ornaments even under water. **OB1** the total garden ornament repair product.

All information, including illustrations, is believed to be reliable. Users however, should independently evaluate the suitability of each product for their application. Siroflex Ltd makes no warranties of the accuracy of completeness of the information, and disclaims any liability regarding its use. Siroflex Ltd only obligations are those in the standard terms and conditions of sale of this product, and in no case will Siroflex Ltd be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of this product.

Available in all good builders merchants

OB1™ JOB DONE

ob1original.com

Siroflex Ltd, Dodworth Business Park, Barnsley, South Yorkshire
+44 (0) 122 677 1600