

# Technical Specification

Product Code: OB1SCS80W

Description: OB1 Multi-Surface Construction Sealant & Adhesive - White 80ml Tube



## Benefits

- Universal bonding and sealing for interior and exterior use
- Permanently elastic
- Free of isocyanates, solvents and silicones
- No shrinkage and bubble free with anti-pick properties
- Resistant to UV, moisture, mould and weather
- Adheres perfectly without primer on most, even damp, surfaces even underwater
- Neutral curing, almost odourless
- Non corrosive towards metals
- High mechanical resistance, end strength and E-modulus
- Absorbs acoustic and mechanical vibrations

**Colour** White

## Limitations

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| <b>Good</b>     | Water, seawater, aliphatic solvents, oils, greases, diluted organic acids. Practically no dirt attachment. |
| <b>Moderate</b> | Esters, Ketones, Aromatics, chlorine for swimming pools chlorinated solvents.                              |
| <b>Bad</b>      | Concentrated Acids                                                                                         |

## Shelf Life

24 months. Store between +5°C and +25°C in shaded conditions. Measured to ISO 9040, DIN 53504, DIN 53505

## Health & Safety

Safety data sheet (MSDS) must be read and understood before use of product. These are available on request.

## Additional Information

|                             |                    |                                                 |
|-----------------------------|--------------------|-------------------------------------------------|
| Shrinkage                   |                    | None                                            |
| Volume Shrinkage After Cure |                    | <3%                                             |
| E-Modulus 100%              |                    | 172 N/mm <sup>2</sup>                           |
| Flow                        | 5 Bar / 3mm / 23°C | 140 g/min                                       |
| Skin Cur                    | 23°C 50% R.H.      | 8 minutes                                       |
| Non-Adhering                | 23°C 50% R.H.      | 25 minutes                                      |
| Full Cure Time              | 23°C 50% R.H.      | 24hrs - 6mm<br>48hrs - 7/12mm                   |
| Tensile Strength            |                    | 2.20 N/mm <sup>2</sup> / 2.65 MPa               |
| Shore A Hardness            | DIN 53505          | 60                                              |
| Thermal Stability           |                    | -40°C till +120°C<br>Peak: 155 °C max.<br>30min |
| Elongation at Rupture       | DIN 53504          | >350%                                           |
| Non toxic                   |                    | EC1 & EC1 A+ Certified                          |

## Shelf Life

24 months. Store between +5°C and +25°C in shaded conditions. Measured to ISO 9040, DIN 53504, DIN 53505

## Certification

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UK<br/>CA</b> | EN 15651-1: F-EXT-INT-CC 25HM<br>EN 15651-3: S XS3<br>EN 15651-4: PW-EXT-INT-CC 25HM<br>EMICODE EC1 PLUS<br>ISEGA<br>U.S. GREEN BUILDING COUNCIL<br>VOC A+ EMISSIONS |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Health & Safety

Safety data sheet (MSDS) must be read and understood before use of product. These are available on request.

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



# Technical Specification

**Product Code:** OB1SCS80W

**Description:** OB1 Multi-Surface Construction Sealant & Adhesive - White 80ml Tube

## 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 & Grip

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.

