HAIMALY CORPORATION

TEL:+886-2- 2357-6658 FAX:+886-2-2357-7123

3F, No.21, Lane 66, Sec.2, Roosevelt Road Taipei ,R.O.C

TEL:+886-6-589-5558 FAX:+886-6-589-1115

1F, No. 38, Alley 19, Lane 6, Fuxing Road, New urban, Tainan City,R.O.C

HAIMALY BOND

HB-8801 Silicone

Characteristics

HB-8801 is a one-part, neutral-curing, low modulus silicone sealant with good adhesion and long shelf life for DIY-sector.

Special characteristics

• Non-sag

• Ready gunnability at low (+5°C) and high (+40°C) temperatures

• Flexible at low (-40°C) and high temperatures (+100°C)

• Good weatherability

• Low odor

• Good tooling characteristics

• Non-corrosive to metals

• Suitable for alkaline substrates such as concrete, mortar, fibrous cement

Applications

• DIY applications (car, boat, caravan, house)

Restrictions on use

HB-8801 may be discolored in contact with some organic elastomers, e.g. EPDM, APTK and neoprene.

HB-8801 is not suitable for applications involving contact with natural stone, such as marble, granite, quartzite, as it can cause staining.

HB-8801 is not recommended for sealing of aquaria.

HB-8801is not recommended for structural glazing bonding.

Preparation

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material, dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Adhesion

HB-8801 exhibits good primerless adhesion to most of the substrates used in DIY-applications, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals, e.g. aluminium, steel, zinc or copper; impregnated, varnished or painted wood; and many plastics.

Users must carry out their own tests due to the great variety of substances.

The adhesion can be improved in many cases by pretreatment of the substrates with a primer.

If adhesion difficulties arise please contact our technical service.

Product data

Unvulcanized rubber

Property	Test procedure	Unit	Value
Density at 23°C	ISO 1183, methode A	[g/cm³]	1.00*
Consistency	ISO 7390, profile U 20		Non-sag
Extrusion rate at 23°C	PV 08127	[ml/min]	550
Skin-forming time at 23°C / 50 % r.h.		[min]	ca. 15

* transparent

These figures are intended as a guide and should not be used in preparing specifications.

Product data

Vulcanized rubber

After 4 weeks´storage at 23°C / 50 % rh

Property	Test procedure	Unit	Value
Tensile strength	ISO 8339	[N/mm²]	0.5
Ultimate elongation	ISO 8339	[%]	200
Modulus at 100 % elongation	ISO 8339	[N/mm²]	0.32
Hardness, Shore A	ISO 868		18
Movement capability	ISO 11600	[%]	20
Tear strength	ISO 34, method C	[N/mm]	3.0

These figures are intended as a guide and should not be used in preparing specifications.

Storage

HB-8801 has a shelf life of at least 12 months when stored in a cool (below 25°C), dry place in moisture-tight original container. The best before date of each batch is shown on product label.

If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.

Safety information

During vulcanization methanol is released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should unvulcanized RTV-1 silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Cured silicone rubber, however, can be handled without any risk to health.

TLV of methanol: 200 ppm or 260 mg/m³

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. They are

Precautions

◎The information in this document is given in good faith but it is intended only as a guide and does not constitute a guarantee on our part, nor does it hold us responsible, particularly in the case of legal action by a third party connection with the use of our products.

◎The approximate formulas given as illustrations are based on tests made by the laboratory, which reserves the right to make technical modifications to the product.

◎These formulas must on no account be used as substitutes for prior tests, which are essential to ensure that the product is suitable for each specific case.

◎In all cases, local regulations applicable to the use of our product should be checked.