

# HA6

## High Modulus RTV Marine Grade Silicone

### Technical Data Sheet



PREMIERE SILICONE & SEALANT RANGE

CLASS  
EN15651-1,2; F EXT-INT; G 25LM

#### Description:

*A high quality, marine quality, acetoxycure, automotive silicone sealant. Surpasses the requirements of EN15651-1,2:2012.*

#### Features & Benefits:

- ♦ Marine grade.
- ♦ Suitable for aquarium installations.
- ♦ High movement accommodation.
- ♦ Non-shrinking and non-slumping.
- ♦ UV resistant.
- ♦ For interior and exterior use.
- ♦ Temperature stability -60°C to +180°C.

#### Uses

A superior silicone for use with high movement joints. Unaffected by UV, ozone, salt water immersion and extremes of temperature and is non-slumping in paste form.

HA6 contains no fungicides or oils which may leach into water and is therefore recommended for bonding, bedding and sealing glass in aquarium construction. HA6 is also recommended for the manufacture of in-situ gaskets and seals for pumps and pipework to prevent water ingress and as a dust and weatherproofing seal for cabinets in dirty environments or external applications.

It is ideal for use on: glass; ceramics; anodised aluminium; primed metals and timber and many plastics.

#### Limitations

For concrete and cement surfaces Bond It LN7 neutral cure silicone is recommended. Do not use on surfaces where water can penetrate through porous materials to the bond interface without first carrying out remedial work. Not suitable for use on bitumen, asphalt, natural stone or unprimed metals. Do not use as a mirror adhesive, use Bond It MIRROR PRO or GLASS-MATE and do not apply at temperatures below +5°C or above +30°C.



#### Preparation

Ensure all surfaces are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. Prime porous surfaces and metals other than anodised aluminium or stainless steel for optimum adhesion.

#### Application

Apply using a standard sealant gun with the nozzle cut at an angle of 45°, and to an opening slightly larger than the joint to be sealed.

For sealing and bedding apply in the normal fashion and tool to a smooth finish one or two minutes after gunning. As an adhesive bring the two surfaces together before skinning commences and do not stress the joint before the silicone has developed strength. As a gasket apply to one surface and if the joint is to be broken allow a strong skin to develop before compressing for permanent gaskets the joint can be sealed immediately. Clean away any excess with Bond It WHITE SPIRIT or MULTI-WIPES.



When using in aquarium assembly please refer to separate sheet for instructions which can be downloaded from our website.

#### Coverage

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

#### Colour

HA6 comes in 4 colours: white, translucent, black and grey.

#### Size

310ml plastic cartridge.

#### Shelf Life

24 months from date of manufacture when stored in original, unopened cartridges.

#### Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

#### Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

#### Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

**Note: this information is for general guidance only, since site conditions and labour are beyond our control.**

## Specification Summary

Tooling Time	5-10 minutes
Skin Time	10-20 minutes
Full Cure Time	3mm depth per day
Application Temperature	+5°C to +30°C
Service Temperature	-60°C to +180°C. Short periods over +200°C are not detrimental to sealant performance
Rubber - Shore A Hardness	<25
Tensile Strength	0.95N/mm <sup>2</sup>
Elongation At Break	300%
Joint Movement Capability	25% by ISO methods
UV Resistance	Excellent
Ozone Resistance	Excellent
Density	1.05g/cm <sup>3</sup>
Commodity Code	3214101010

## Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDHA6BL	Black	310ml	5060021360045	R280-W0JT-N00F-7UKV
BDHA6GR	Grey	310ml	5060021360052	R280-W0JT-N00F-7UKV
BDHA6T	Translucent	310ml	5060021360069	R280-W0JT-N00F-7UKV
BDHA6WH	White	310ml	5060021360076	R280-W0JT-N00F-7UKV





## Part of the Bond It Silicone & Sealants Range

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<b>BOND IT</b> H4 Premier Way, Elland. HX5 9HF. UK	
<b>EN15651-1,2</b> <b>F EXT-INT, G 25LM CC</b>  <b>DoP: BDHA6</b> <b>DoP: BDHA6</b> <b>NB: 1213</b> <b>NB: 1213</b>  Façade sealant for exterior and interior use	
<b>Reaction to fire</b>	E
<b>Release of chemicals</b>	None
<b>Resistance to flow</b>	≤ 3mm
<b>Loss of volume</b>	≤ 10%
<b>Tensile properties after water immersion</b>	NF
<b>Durability</b>	Pass

**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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