

Fosroc® Hilastic 66

Mould and fungus resistant, flexible, one-component silicone rubber sealant for bathroom, kitchens, etc

Uses

For sealing joints and gaps around:

- Baths, basins and sanitary fixtures
- Shower recesses and damp areas
- Commercial kitchens, dairies, hospitals and food preparation areas
- Any application where hygiene is important
- Most household sealing applications

Advantages

- Ready to use, easy application
- Resistant to mould and fungus
- Fast curing
- Flexible at temperature extremes
- Durable, tough elastic seal
- Suitable for Zinalume, Colorbond and other BHP decorative sheet metals

Standards Compliance

DIN 18540 Pt 2

TT-S-001543a, Class A

Description

Hilastic 66 is a one-component, non-acid, gun applied silicone rubber sealant which cures rapidly to form a durable, watertight seal. Hilastic 66 contains a fungicide additive and is resistant to mould and fungus growth making the product particularly well suited to use in kitchens, bathrooms and other damp areas.

Technical Support

Parchem offers a technical support package to specifiers and contractors which includes on-site, technical advice from staff experienced in the construction industry.

Design Criteria

Joint design: Moving joints should be designed and sited to minimise stresses imposed on the joint sealant.

- Minimum sealant depth of 5 mm at any point
- Bonding depth of 5 - 15 mm when applied to sound non-porous surfaces
- Bonding depth 10 - 15 mm when applied to sound porous surfaces
- Sealant depth of 20 - 25 mm in joints subject to hydrostatic pressure

- Within the above minimum depth criteria, optimum design is 2:1 width:depth ratio

Bond breakers and joint fillers: For moving joints, sealant should not be allowed to bond to back of joint - to prevent this apply a polyethylene bond breaker tape.

Properties

The data quoted are typical for this product, but do not constitute a specification.

Form:	Non slump thixotropic paste
Colour:	White. Other colours to special order
Physical or chemical change:	Chemical cure (non-acid)
Application temperature:	Minimum 5°C
Service temperature:	Minus 50°C - 150°C
Tooling time:	Up to 10 minutes
Hardness:	20 - 25 Shore A°
Cure rate:	Approx. 2 mm/day at 25°C, 50% R.H.
Movement accommodation factor:	Maximum 50% total joint movement (± 25%)
Chemical resistance to occasional spillage:	Resistant to dilute acids and alkalis. Not resistant to organic solvents

Application Instructions

Joint preparation

Ensure that any anticipated joint movement is less than ±25% of the joint width at the time of sealing. Joint faces must be sound and completely dry, clean and frost free. Oil, grease, etc. may be removed using Solvent 10.

Ideally, sealants should be applied directly onto substrate. If it is desirable to apply sealants onto paints or other renewable surface coatings it is recommended that proposed system be carefully tested to ensure properties of either material are not affected by long-term contact.

Priming

Hilastic 66 has excellent adhesion to most building surfaces without use of a primer. For optimum results, particularly with moving joints, priming is always recommended.

Primer 9:	PVC, fibreglass and many plastic surfaces
Primer 10:	Concrete, brick and most porous substances
Primer 11:	Metals and most non-porous substrates
Primer 13:	Concrete surfaces subject to water immersion

For other surfaces, or where any doubt exists, test first or contact Parchem Technical Services.

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Primer drying times:

Primer 9 and 11:	30 minutes
Primer 10:	1 hour
Primer 13:	2 hours

Re-prime if sealant not applied within 8 hours.

Application

Fit the cartridge of Hilastic 66 into a cartridge gun, and gun firmly into the joint. Ensure that the sealant is forced well against all joint surfaces to achieve good surface wetting and thus optimum adhesion. Guide the nozzle along the joint gradually, applying even pressure to the trigger. The joint must be filled completely at all points.

Tooling

Immediately after application sealant should be tooled. Use a smooth convex tool to produce both required surface finish and to assist in further forcing sealant into good contact with joint faces.

Cleaning

Equipment should be cleaned promptly, as cured sealant is very difficult to remove. Wash with, or soak in Solvent 10 - cured material will swell and soften after some time and may then be removed.

Limitations

Elastomeric sealants such as Hilastic 66 should not be applied in close proximity to bituminous materials or products containing reclaimed rubber (e.g. some tile adhesives).

Supply

Hilastic 66:	300 ml cartridge
Primer 9, 10 and 11:	250 ml can
Primer 13:	250 ml pack
Solvent 10:	4 and 20 litre drum

Product Code

610321	Hilastic 66 White 300g (20/Ctn)
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Coverage

Each 300 ml cartridge of Hilastic 66 will seal 6 metres of a 5 x 10 mm joint or 12 metres of a 5 x 5 mm joint.

As a guide, a 250 ml tin of primer will be required for every 25 cartridges on porous surfaces or for every 100 cartridges on non-porous surfaces.

Storage

Shelf life 12 months in unopened containers stored under cool, dry conditions.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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