

mSEAL 295

Marine Sealant & Adhesive

DESCRIPTION

mSEAL 295 is a universal marine grade sealant and adhesive based on the latest polyurethane technology for use in the boat and ship building and maintenance industries.

Designed to offer a wide variety of sealing and bonding applications where a permanently elastic, vibration damping seal is required, it can be used as an adhesive in non-structural – limited stress applications.

mSEAL 295 is the ideal utility sealant that handles a multitude of sealing applications and light stress loaded bonding applications.

FEATURES & BENEFITS

- High UV stability, ideal as a cosmetic seal
- Silicone free, fully over paintable
- Strong salt water resistance
- Internal & external use
- Vibration tolerant
- Outstanding primerless adhesion to most marine substrates
- Excellent adhesion to metals

RECOMMENDED FOR

- Joint sealing
- Glazing sealing
- Bonding light components, catches, hinges, etc.
- Panel sealing
- Sound deadening
- Sealing and bonding trims

SPECIFICATION COMPLIANCE

DNV, IMO Wheelmark Certified—Registration Number 0062

COLOURS

White, Black

PACKAGING

310ml Metal Cartridges
600ml Foil Packs

STORAGE

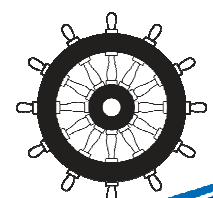
Store in cool, dry conditions between +5° and 25°C.

SHELF LIFE

12 Months from Date Of Manufacture.

HEALTH & SAFETY

Data sheet available on request.



PREPARATION

All surfaces must be clean, sound and dust free, glossy surfaces such as gel coat should be lightly abraded within the area to be bonded. Wood substrates should be abraded with 80-120 grit paper and thoroughly cleaned/vacuumed. Surfaces must be de-greased using Everbuild surface cleaner, isopropanol or a similar alcohol based cleaner and allowed to evaporate.

PRIMING

On many applications mSEAL 295 will be entirely successful without the need for priming surfaces, however, due to the variety of materials available we recommend a test is carried out beforehand.

Where priming is desired use Marine Primer No. 10 for wood and Primer No. 20 for metals, plastics, GRP, gelcoat and other non-porous surfaces.

APPLICATION

When using as a sealant the nozzle should be cut at a 45° angle slightly larger than the size of the bead required, always apply firmly to the surface and tool down within 20 minutes.

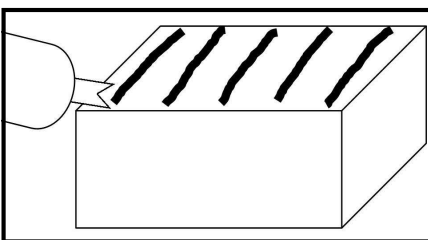
When using as an adhesive careful consideration should be given to the weight loading being placed on the item to be bonded and if on a vertical surface as to whether it will need temporary support during curing. This will be entirely dependent on the weight of the item and the bond interface area. In general the greater the surface area available for the bond interface the less support will be required. A conventional Gaffa/Duct tape is ideal for temporary support.

A prime benefit of using mSEAL 295 is the damping / sound deadening properties which also makes it ideal for applications behind many mechanically fixed items such as winches, cleats, catches and deck fittings. On such items it is advisable to mask surrounding areas to assist in cleaning up the excess adhesive that is squeezed out when the bolts/screws are tightened.

The optimum application method on most items to be bonded is to apply adhesive in a 6-8mm bead using a triangular cut nozzle so that the adhesive has a peak to bed the item to the surface. Adhesive can be applied to the substrate or item to be bonded depending on the difficulty in positioning. Generally with heavy items it is best to apply adhesive to the substrate having first marked the area to be bonded. With lighter items it is usually considered quicker to apply the adhesives to the items being bonded.

mSEAL 295 will successfully fill gaps up to 6mm where required.

The ideal application configuration is to apply stripes across the area to be bonded at suitable intervals.



CLEAN UP

Can be cleaned up with Aquaseal Marine Wipes or a cloth dampened with White Spirit. For clean up of cured material, the use of Everbuild Foam Eater is recommended.

PAINTING

Can be overpainted with most paints when fully cured after circa 72 hours but always check solvent based paints compatibility with a small test before proceeding.

LIMITATIONS

- Use in overhead applications—Always use in conjunction with mechanical fixings
- For heavy items, provide temporary support until adhesive has dried.
- Do not seal mirror edges/plastic sheeting until adhesive has cured.
- Overpaintability: check compatibility with specific paint first before over painting large areas.
- Do not use on surfaces that bleed oils or plasticizers.
- It is the user’s responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.
- Not for use as part of a structural glazing system.

SPECIFIC DATA

Skin / Tooling Time	Max 30—40 Mins
Cure Time (@23°C / 50% HR)	4mm per 24 hours
Shore A Hardness (DIN 53505)	45 (+/-5)
Temperature Resistance (Min & Max)	-40 to +90°C
Application Temperature (Min & Max)	+5 to +30°C
Tensile Strength (N/mm²) (DIN 53504 S2)	1.5 N/mm ²
Elongation at Break (DIN53504 S2)	600%
Paintable	Water Based—Yes Solvent Based—Trial Necessary
Sandable	Yes
Viscosity	High
Certification	IMO