ProSan2 MR200

Technical Data Sheet

MR200 MOULD RESISTANT SERIES

ProSan2 MR200 Mould Resistant Series Silicone Sealant range is a Professional Contractors grade silicone that has been specifically designed as a high quality wet area sealant where growth of unsightly mould and mildew needs to be minimised. We have included in our website *www.aptcaust.com.au* a maintenance manual to assist in maximising the anti-mould performance of the MR200 range of silicone sealants.

Very Low Odour
Very Low VOC (Volatiles)

Primer less Adhesion To:

- Glass
- Tiles
- Ceramic
- Porcelain
- Shower Recesses
- Kitchens
- Bathrooms
- Laundry Sinks
- Bath Tubs

PRODUCT CODE	COLOUR	PRODUCT CODE	COLOUR
MR 200	TRANSLUCENT	MR 210	MISTY GREY
MR 201	WHITE	MR 211	OFF WHITE
MR 202	CERAMIC GREY	MR 212	DARK IVORY
MR 203	CERAMIC IVORY	MR 213	DARK BRONZE
MR 204	MID GREY	MR 214	VANILLA
MR 205	STONE	MR 215	DARK GREY
MR 206	TRAVERTINE	MR 216	SLATE GREY
MR 207	HAVANA	MR 217	MIDNIGHT
MR 208	ALABASTER	MR 218	TEAK
MR 209	TAUPE		

(Always test applications under actual conditions to verify adhesion. Consult APTC Australia before application).

SURFACE PREPARATION

The condition of the Substrate

All surfaces to receive sealant shall be clean and dry and be free of contaminants, i.e. oil, grease, wax water or surface dirt.

Remove any oxidised material such as aluminium oxide or rust from the substrate prior to cleaning.

Impervious Substrates i.e. Glass, Powder coat, Steel

Cleaning shall be by an approved solvent cleaner such as isopropyl alcohol.

Use the "two wipe" solvent technique when cleaning glass adopting the following procedures:

Use only clean cloths or lint-free paper towels. Non-absorbent cloths, such as nylon, are not acceptable.

When using cloths ensure they are lint free.

Use the "two wipe" method of cleaning. Use one cloth to apply solvent, by vigorously rubbing the substrate than wipe the solvent off with another cloth before the solvent has flashed-off or evaporated. DO NOT USE THE SAME CLOTH TO APPLY SOLVENT AND TO DRY THE SUBSTRATE.

Pour solvent onto the cloth; do not place the cloth into solvent container.

Do not re-use the same cloth, discard the dirty cloth.

Soap or other detergents are not acceptable for cleaning a substrate.

Place all gaskets, wedges or backing rods before cleaning the substrate.

Apply sealant immediately after cleaning. Do not leave cleaned areas exposed for extensive period of time before sealing.

Plastics

Plastic is a generic description to describe a number of materials

Nothing adheres to some plastics such as Polyethylene, Polypropylene.

Plasticisers used in the compounding of plastic can vary from time to time. Some plasticisers can have a negative reaction with the cure of sealants and/or affect the adhesion bond.

Solvents tend to damage plastics. Therefore we recommend that you only adhere to the face with protective covering, that the protective covering is not removed until the last minute and that the surface you intend to adhere too is checked first to ensure that the adhesive from the protective film has not remained on the plastic.

Preparation of Concrete and Porous Surfaces

Mechanically abrade concrete to ensure the removal of all laitance, loose particles, form oils, release agents etc.

When re-sealing existing joints the preparation shall be by saw cutting to widen the joint and remove concrete that is contaminated with dirt and grease. For new concrete that is clean and sound angle grinding or grit blasting will be suitable for preparing the surface.

Remove any dust grinding grit etc. with a clean brush or oil free compressed air.

Do not use solvents to clean the concrete as this will force any oil or release agent present on the surface into the concrete.

PHYSICAL PROPERTIES

Base	Silicone
Consistency	Stable Paste
Curing System	Moisture Cure Oxime Silicone
Skin formation	Approx. 10 min.
Curing Rate	1.5mm/24h
Hardness	Shore A—16
Minimum Joint Dimension	6mm by 6mm
Temperature Resistance	-20°C to +120°C
Joint Movement Capability, when fully cured	+/- 25%
Maximum Tension	1.1 MPa

SURFACE PREPARATION—Cont.

Adhesion

When sealant **adhesion** is **critical** to the project's success, we recommend the completion of adhesion tests before work commences. Contact your local APTC Australia representative who will provide such testing free of charge.

Primers

Not usually required for ProSan2; however if primer is required, install backing rod, tapes, rubbers and any other back up materials before the application of primer.

Follow the instructions for primer application detailed in the application instructions for the specified primer.

Ensure all back up materials, joint fillers, gaskets, and setting blocks are held firmly in place and that the space allowed for the sealant is constant.

Do not place closed cell polyethylene rod with a sharp application tool as this may rupture the surface and cause subsequent bubbling of the sealant. Escaping "blowing gas" from the closed cell structure of the backer rod causes this.

SEALANT APPLICATION

B&L ProSeal2 is not a structural silicone. For structural applications contact APTC Australia Pty Ltd for product recommendations and joint design information.
Avoid sealing joints with 3 sided adhesion; this will significantly reduce the sealants ability to work in the application.

For weather seal applications the joint size is to be not less than 6mm x 6mm, for a joint width of 15mm the depth is to be 8mm, for a joint width of 30mm the depth is to be 10mm.

Consult the relevant data sheets to calculate the minimum joint width for the expected joint movement.

Apply sealant to clean dry surfaces only.

Use a suitable polyethylene-backing rod to control the joint depth, and to ensure that the silicone adequately wets out the substrate.

Do not use sharp objects to place closed cell backing rod as this may break the backing rod surfaces.

If masking tape is used, apply tape so that it does not interfere with the areas to be sealed.

If masking tape has been used remove immediately after tooling the sealant.

Apply sealant firmly to ensure all cavities are filled and that air pockets are dispelled. Tooling of the sealant shall take place immediately after the sealant has been run into place.

Clean up excess sealant before the sealant has cured, with a scraper and a rag moistened with solvent. Take care not to damage the substrate in cleaning up excess sealant.

COMPATIBILITY WITH ADJACENT SUBSTRATES AND OTHER CHEMICALS

Silicone Sealants are not always compatible with plasticised sealants, some backing materials, many cleaning agents and solvent/oil based paints. Incompatibility may cause discoloration, poor sealant cure or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

PACKAGING:

B&L MR200 series is packed in 300ml plastic cartridges.

STORAGE AND SHELF LIFE

Always store the sealant in a cool dry place. The ideal storage temperature is not more than 25°c and 50% relative humidity. Prolonged storage at high temperatures may affect shelf life and ultimate performance. The B&L ProSan2 MR200 series has an expiry date printed on the top of the cartridge. Out of shelf life products will not perform to the stated specification.

LIMITATIONS

ProSan2 MR200 Series is NOT suitable for use in the following application:

- Where is does not have access to the atmospheric humidity required to make it cure;
- Structural Glazing;
- Aquariums;
- This product is NON-PAINTABLE;
- Stone & Porous substrates that may be subject to staining. (Stain testing & approval must sought before use);
- Under water & below grade applications (Including swimming pools);

HEALTH AND SAFETY

The Safety Data Sheet defining the known hazards and describing the appropriate safety precautions with respect to the product is available through APTC Australia Pty Ltd., and on the website: aptcaust.com.au Use the product in accordance with good occupational, health & safety practices.

IMPORTANT NOTICE FOR USERS

APTC AUSTRALIA SOLE WARRANTY IS THAT ALL PRODUCTS WILL MEET THE APTC AUSTRALIA CURRENT SALES SPECIFICATIONS ALL OF WHICH ARE AVAILABLE THROUGH COMMERCIAL AGENCY.

APTC Australia has based the information and data contained in this publication on current specifications of the product. The properties of individual batches of sealant may vary from the results published as mean results achieved, however the APTC Australia Quality Control System (QCS) will ensure that they are always within an acceptable tolerance of the published figures. As the application, use and processing of the product are beyond the control of APTC Australia, APTC Australia disclaims any warranty for fitness for use or for a particular purpose.

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