

Aqua Guard Underwater Sealant 3200-P (For Potable Water Applications)



Description

MSCP Aqua Guard Underwater Sealant 3200-P is an advanced proprietary technology specifically designed for underwater potable water applications. Underwater Sealant-P can be used as a flashing or sealant to bridge voids and seal substrate joints and transitions that are in continuous contact with water.

Features/Benefits

- Superior shore hardness/Prevents flashing wear and tear
- Exceptional underwater adhesion/Bonds and cures to multiple substrates underwater
- Potable water compliant/Safe for all drinking water applications
- Non-sag/Creates a better and cleaner application bead
- Environmentally friendly - 100% Solids/Solvent free, isocyanate free and low VOC
- Advanced proprietary technology/Provides superior adhesion
- Wet surface application/Bonds and cures underwater
- Tack free in <60 min /Allows for greater productivity and can be used as emergency water stop above or below the waterline
- Tested for marine toxicity/Safe for aquatic life

Application Methods

Use sausage gun with applicable tip to achieve desired bead of material. When applying MSCP Aqua Guard Underwater Sealant-P, bonding surfaces must be clean and free of debris, algae and other surface contaminants. Some surfaces may require "scratching" using a wire brush, steel wool or sandpaper to ensure adhesion. Water temperatures must be between 33° F – 100° F

Approved Applications

- Fill and repair voids in substrates above and below the waterline
- Underwater detail flashing applications
- Suitable where shock, vibration, shrinking or swelling are concerns
- Repair leaky seams and sealant failures in aquatic enclosures

Approved Clean Up Solvents

Mineral Spirits Denatured Alcohol VM&P

Dilution and Mixing

Apply as packaged. Do not dilute or alter.

Product Color

Gray

Typical Properties

Cured Properties at 21 days

| | |
|-----------------------|-------------|
| Hardness, Shore A | 60-70 |
| Tensile Strength | 250-350 psi |
| Elongation | 215-300% |
| Tear Strength | 50-100 psi |
| Peel Strength | 25 PLI |
| Fiberglass Shear Test | 174 PSI |
| UV Exposure | 9 Months |

Uncured Properties

| | |
|---------------------------------------|----------------|
| Underwater/Workability Tack Free Time | 6-9 hours |
| Cure Rate | 1/8" – 20 hrs. |

Note: In non-water applications, cure rates will be considerably longer varying with the relative humidity of the environment.

VOC Content <30g/ liter

Standards Testing Compliance

- ASTM D-2240 – hardness
- ASTM D-2370 – tensile strength
- ASTM C-661 – shore hardness
- ASTM D-412 – elongation
- ASTM D-1004 – tear strength

MARINE TOXICITY-Aqua Guard 3200-P has passed independent marine laboratory testing for marine toxicity and is deemed safe for aquatic life.

AS/NZS 4020:2005 – potable water application compliant

- 3200-P is approved for drinking water applications where exposed product area to volume ratios do not exceed 1000mm²/Liter at 20°C ± 2°C.

Suitable Substrates

| | | | |
|-----------------------|-------------------|-------|----------|
| Concrete | Masonry | Steel | Glass |
| Aluminum | Fiberglass | Wood | Acrylics |
| Pressure treated wood | Galvanized metals | | |

Note: Due to the wide variety and composition of substrates, preparation methods, application methods and environments, always test a small area of substrate to validate desired result.

Packaging Options

- 20 oz. Sausage Tube (3200-P-20)
- 10.1 oz. Cartridges (3200-P-10) – special order

Shelf Life/Storage

12 months from manufacture date
Store below 80°F

Ordering/Technical Information

Contact Dominus Innovations: 813-279-1902

Limited 2-Year Warranty

If the materials applied on a project are determined to be defective during the Warranty Period, Dominus Innovations will replace the defective product as noted below:

- Dominus will supply replacement materials, provided the original product was applied as per approved MSCP Application Methods.
- Owner must notify Dominus Innovations within 30-Days after product defect has been discovered.
- This limited warranty may not be transferred or assigned and is not extended by the repair or replacement of the defective product.

The following application guidelines should be used when applying MSCP Aqua Guard products including MSCP Aqua Guard Sea Weld 3100, MSCP Aqua Guard Underwater Sealant 3200 and MSCP Aqua Guard Underwater Sealant 3200-P.

This information is provided as a general guideline for all applications to ensure proper product adhesion and maximum application success; however, marine substrates and underwater conditions can vary greatly and it is strongly recommended that applicators test a small application area to validate the required results and establish the most effective surface preparation and application techniques.

It should also be noted that when applying moisture cure technologies, such as MSCP Aqua Guard in underwater conditions, material working and cure times are very important. As a result, it is critical to plan the application, ensuring that all surface preparation is done before starting to apply MSCP Aqua Guard. For best results, apply MSCP Aqua Guard products according to the tooling procedures described below.

Surface Preparation - All surfaces above and below the waterline must be free from dirt, debris, algae, marine growth or any other contaminants. Recommended tools for proper surface preparation include: water jet, wire brush, scraper, coarse steel wool and sand paper. Scratching the surface will promote better adhesion on all substrates. This preparation is especially important when applying to certain coated substrates.

Product Tooling - Use a standard sausage gun to apply MSCP Aqua Guard products to the properly prepared substrates. Tooling the material underwater should occur quickly during application, as the material will start to skin rapidly. When tooling the material, applicator must be conscious of working time. Once the product starts to skin, over tooling can cause the material to pull free from the substrate. Use plastic putty knives for tooling joints and plastic trowels for flashing larger areas.

Application Considerations - For certain applications and repairs, where there is visible water leakage, (e.g. commercial aquariums) it is recommended that the MSCP Aqua Guard product be applied to both the inner and outer surfaces of the structure. For this application, particularly if there is any trace of active water leakage, it is important that the inside of the structure known as the positive flow side be sealed first with MSCP Aqua Guard to stop the water flow. Only after there is no visible flow of water should MSCP Aqua Guard be applied to the outside or negative flow side of the structure for additional repair strength and cosmetic appearance.

AS WITH ALL ADHESIVES, SEALANTS AND BONDING PRODUCTS, PROPER SURFACE PREPARATION IS CRITICAL TO OVERALL APPLICATION SUCCESS.

The data provided pertains to this MSCP Aqua Guard product and is based on the information available at this time. The addition of reducers or any other additive to this product may alter its composition. Since we do not control the use of this information, we make no warranties expressed or implicit and assume no liability in connection with any use of this information.

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