

PRO 3101

METHOD OF APPLICATION TO A NEW CAR WASH

1. Before application of product, take a nail or sharp knife and check the strength of the grout. If the grout is easily gouged or chipped do not apply Polyguard PRO 3101. This is to determine tensile strength, adhesion of Polyguard PRO 3101.
2. All blocks should be capped at all window openings and Polyguard PRO 3101 should be applied to the interior jam before the installation of the window.
3. Polyguard PRO 3101 should be applied to all door jams prior to installation of the doors.
4. Pre-cast walls should be acid etched to insure a proper 3-5 mil profile.
5. Caulking should be installed after the Polyguard PRO 3101 has cured for 12 hours. A low elastomeric caulk would be best.
6. Polyguard PRO 3101 should be installed before the flat work is poured. 6" minimum below floor is recommended to stop water from wicking up. The caulk is not as important and it gives a better look.

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METHOD OF RESURFACING A CAR WASH

1. Remove all old caulk from joints. Use heat gun and scraper if necessary.
2. Mask off all glass before sandblasting.
3. Remove existing coating from all wall and ceiling surfaces. Sand blast the surface at an angle that won't gouge holes in the wall's concrete masonry units CMU's. Direct the blast at an angle that will get under the coating and remove it. For any coating that will not easily detach, char it with heat, then blast it again with sand. If the ceiling is coated remove the coating. If the ceiling has a parge coat, check for hardness. Remove any soft coating. Be sure to create a good surface profile on all surfaces.
4. Remove rust and scale from the metal door and window frames. Sanding is the best method.
5. Fill all cracks and holes with a good patching material such as a vinyl patch or latex vinyl patch. Allow time for the patch material to dry.
6. Check the moisture content of the wall by taping a square piece of polyethylene to the wall. Apply a small amount of heat to the polyethylene and look for moisture on the underside of the poly. If moisture appears, the surface is too damp. Dry the surfaces by dehumidifying. If no moisture appears, then surface is ready for application.
7. Coat Wall and ceiling surfaces with Polyguard PRO 3101 at a rate of 53 sq. ft. per gallon or 30 wet mils. Be sure you get the first coat of Polyguard PRO 3101 in the joints before caulking, especially around the doors and windows. (Do not put Polyguard PRO 3101 on the metal door and window frames.) Let dry overnight.
8. Prime metal door and window frames with a good rust inhibiting type paint of the desired color. Let dry.
9. Caulk all joints (corners: floor and ceilings, etc.) with a good grade of polysulfide type caulk. Be sure that the caulk is applied between first coat and second coat.
10. Finish coat the metal door and window frames. Let dry.
11. Apply a second coat of Polyguard PRO 3101 at a rate of 53 sq. ft. per gallon or 30 wet mils.
12. The exterior of the building needs to be coated with a breathable type of clear coat. This will stop rain and snow melt water from entering the block from the outside.

Summary: The whole of waterproofing is to stop the entry of water into the structure from either side of the wall. It is just as important to keep wind driven rain from entering the CMU's. This is the only way to prevent mold and algae growth and the freeze thaw destruction of the CMU's that literally weaken the structure.