



PRODUCT DATA

1. PRODUCT NAME

WC-190 MEGAWALL COATING

2. MANUFACTURER

MEGA Industries Corporation
P.O. Box 9096
Phoenix, AZ 85068
(800) 772-7205
(602) 381-9907 (Fax)

3. DESCRIPTION

WC-190 MEGAWALL COATING is a high performance proprietary water-based, 100% acrylic co-polymer resin formulated product to ensure the highest degree of adhesion and water resistance.

May be used to coat smooth or textured concrete, masonry and stucco surfaces when applied in accordance with specifications. May also be used to coat metal walls. Produces a tough, monolithic, fungi resistant protective coating which expands and contracts with the underlying surface.

FEATURES

Superior Adhesion

Water Resistant

Mold/Mildew Resistant

High Elongation

Protects Surface

BENEFITS

Tenacious adhesion to properly cleaned and primed surfaces.

Excellent permeance rating.

Actively combats build up of algae, mildew, mold and fungi.

Moves with surface. Spans minor surface cracks.

Protects surface from normal weathering of sun and rain. Extends surface life.

Available in 5 or 55 gallon containers or tote tanks.

Colors: WC-190 is white.

Limited Made-to-order light and pastel colors also available. Contact Mega Ind. For further information.

Limitations: Do not apply if rain is expected within twenty-four (24) hours of application. Ensure a minimum of four (4) hours of daylight remains after application to allow for proper UV curing. Do not apply

if ambient air or surface temperature will fall below 50⁰ F, before curing is complete, or exceed 120⁰ F. All surfaces must be completely dry as **MEGAWALL COATING** forms a vapor retardant barrier. Trapped moisture may cause the coating to blister and delaminate. **KEEP FROM FREEZING!**

4. TECHNICAL INFORMATION

Physical Properties:

<u>WC-190 PROPERTIES</u>	<u>TEST METHOD</u>	<u>TYPICAL PROPERTY</u>
Solar Reflectance, Initial, %	C 1549	> 80%
Thermal Emittance, Initial	C 1371	> .80
Thermal Emittance, Initial	E 408	> .90
Viscosity @ 73 ⁰ F, KU	D 562	105-115
Solids by Volume, %	D 2697	52% ± 2%
Solids by Weight, %	D 1644	65% ± 2%
Elongation @ 73 ⁰ F, %	D 2370	230%
Tensile @ 73 ⁰ F, psi	D 2370	260%
Accelerated Weathering	D 4798	Pass
Water Swelling, %	D 471	< 10%
Permeance, perms	D 1653	6.5
Adhesion, pli	C 794	> 2.0
Fungi Resistance Rating	G 21	Zero
Low Temp. Flex @ 0 ⁰ F @ 1/2"	D 522	Pass
VOC, grams/liter	-	< 50
Flash Point, ⁰ F	-	Non-Flammable
Dry Time: To Touch, Hours	-	2 to 4
To Recoat, Hours	-	8 to 16

5. INSTALLATION

General Surface Preparation: Surfaces to be coated must be clean and free of dust, dirt, talc, sand, oil, grease, algae, fungi, mildew, loose coating or any foreign matter which will prevent or inhibit proper coating adhesion. To clean, pressure wash all surfaces to be coated with a TSP and water mixture at a minimum of 3,000 psi. Add chlorine bleach to eliminate mildew and algae. Additional pressure washing and/or the use of a stiff bristle brush may be required to clean stubborn dirty areas. Rinse thoroughly with clean water and allow to dry. Pressure wash working up and rinse from top down.

WC-190 Product Note : WC-190 MegaWall Coating has a **high degree of water resistance**; therefore, it is imperative that walls coated with WC-190 MegaWall Coating have the ability to rid themselves of trapped moisture or moisture vapor. Moisture trapped in walls will lead to delamination of WC-190 MegaWall Coating.

Concrete/Masonry/EIFS Wall Systems

Surface Priming: Apply WC-900 Wall Primer evenly to all surfaces to be coated at a rate of .25 gallons per 100 SF. Allow to dry 8 to 16 hours.

Base Coat: Apply WC-190 MegaWall Coating evenly to all surfaces at a rate of 1.0 gallons per 100 SF. Allow to dry 8 to 16 hours. Apply by roller to avoid pin holing.

Finish Coat: Apply WC-190 MegaWall Coating evenly to all surfaces at a rate of 1.0 gallons per 100 SF. Apply at a 90 angle to the Base Coat application direction. Allow to dry 8 to 16 hours. Inspect for voids, pin holes, insufficient coating thicknesses, etc. Re-coat these areas.

Metal Wall Systems

Further Surface Preparation: On metal walls, remove all rust down to the bare metal with a power wire brush prior to pressure washing. Damaged or severely rusted panels should be replaced. Etch new panels with an appropriate solution, such as white vinegar, to remove factory oils and ensure proper coating adhesion.

Prime Coat: Apply *MEGAFLEX™* M-800 Metal Primer at a minimum rate of .50 gallons per 100 SF (100 sf) over rusted areas.

Ensure rust is totally encapsulated. Allow to dry a minimum 4 hours. Inspect for rust "peaking" through and re-prime these areas. If metal panels have a Kynar or other unknown finish, do not apply M-800 or *MEGAFLEX™* coatings. Contact MEGA for application instructions and surface adhesion test instructions.

Base Coat: Apply WC-190 MegaWall Coating evenly to all surfaces at a rate of .50 gallons per 100 SF. Allow to dry 8 to 16 hours.

Finish Coat: Apply WC-190 MegaWall Coating evenly to all surfaces at a rate of .75 gallons per 100 SF. Apply at a 90 angle to the Base Coat application direction. Allow to dry 8 to 16 hours. Inspect for voids, pin holes, insufficient coating thicknesses, etc. Re-coat these areas.

6. AVAILABILITY AND COST

MEGA products are sold through MEGA Approved Applicators and Distributors. Contact Mega Ind. for further information.

7. WARRANTY

MEGA provides a five (5) year material warranty covering the replacement of the material should the material be found to have manufacturing defects. For additional warranty information contact MEGA Industries Corporation.

MEGA is an ENERGY STAR® Roof Products Partner and a Charter Member, and Licensed Manufacturer, of the Cool Roof Rating Council.

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