



Acrylic Silicone Coating

DUROPLAST 200

DESCRIPTION AND USES

DUROPLAST 200 is an 80% solids per weight solution of acrylic (varies with different finishes), silicone resins and filler. One coat application by brush, roller, spray to concrete masonry or other suitable backing to form an average dry film thickness of 375 microns (15 mils). Gives a textured breathing-type coating which adds lasting color and protection to your structures.

CHARACTERISTICS

- Available in a variety of colors and finishes
- Excellent adhesion to damp surfaces
- Flexible and crack resistant
- Ten times thicker than conventional paint
- Resistant to chalking and weathering
- Breathing-type coating

APPLICATION INSTRUCTIONS

Surface Preparation

The surface must be dry, sound, and free of oil, grease, wax and all other contaminants.

Application

Mix thoroughly for 5 minutes and apply at specified rate.

Equipment for smooth or fine finish

Roller: Heavy duty industrial roller or spray.

Spray equipment for coarse and medium finish

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|----|------------------|---|
| 1) | Gun | MBC-510 |
| 2) | Fluid tip gasket | AV-616-AC |
| 3) | Fluid needle | MBC-496-C |
| 4) | Air cap | MB-4039-62 |
| 5) | Tank | QM-5095 |
| 6) | Hoses (air) | 0.6 cm I.D. X 15.24 m
(1/4" I.D. X 50 feet) |
| 7) | Hoses (fluid) | 0.9 cm I.D. X 15.24 m
(3/8" I.D. X 50 feet) |

PRECAUTIONS

- Consult Material Safety Data Sheet prior to use.
- Do not apply the material at temperatures below 5°C (41°F).
- Ensure proper ventilation.
- If material is stored at temperatures below the freezing point, heat and mix well before usage.

TECHNICAL INFORMATION

Color: DUOCHEM standard colors

Application method:	
Smooth	Roller or spray
Fine texture	Roller or spray
Medium texture	Roller or spray
Coarse texture	Spray

Number of coats: 1 or 2, depending on substrate

Recommended thickness: 300 – 750 microns dry (12 – 30 mils dry), depending on substrate porosity

Coverage: per coat 1.2 m²/l at 375–450 microns dry (50 ft²/US gal. at 15-18 mils dry)

2.6 m²/l at 175–225 microns dry (105 ft²/US gal. at 7–9 mils dry)

Curing time:	Tack free	2 hours
	Full cure	4 – 7 days

Cleaning solvent: Hot water

Shelf life: 1 year in original unopened container

Packaging: 3.78 and 18.9 litres (1 and 5 US gallons)

TECHNICAL DATA



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PHYSICAL PROPERTIES

<u>PROPERTIES</u>	<u>TEST METHODS</u>	<u>RESULTS</u>
Water vapour transmission	CGSB 9-GP-2	43.1 perms
Light resistance, 100 hours	CGSB 1-GP-71 (120.1) or ASTM E-188	Unaffected
Impact resistance (On concrete backing)	CGSB 1-GP-71 (147.1)	10.2 J (90 lbs•in)
Salt-fog resistance, 500 hours	ASTM B-117-62	Unaffected
Freeze – thaw resistance	ASTM C-67 10 cycles as follows: 2 hours in water at room temperature 4 hours at -12°C (10°F) 2 hours in water at room temperature 16 hours at -12°C (10°F)	No cracking, checking or chipping under 10 X magnification
Accelerated weathering	CGSB 1-GP-71 (122.2)	No cracking or chipping under 10 X magnification after 2,500 hours
Fire resistance	CGSB 1-GP-71 (118.4)	No smoke, flame or afterglow. Destruction of coating confined to flame impact area
Test report available upon request.		

This information is based on tests we believe to be reliable. Since conditions of use are beyond our control, we do not assume any liability except the replacement of an equal quantity of any product which is proven defective and for which we are responsible.