



W800+ Durokryl

Ultra-premium synthetic rubber latex admixture that enhances portland cement-based mixes and non re-emulsifiable bonding agent



Attributes

- Can be used as admixture or bonding adhesive
- Improves mechanical properties in Portland cement-based mixes such as flexural, tensile and compression strength
- Can be diluted in different proportions depending on mix application
- Improved adhesion between cementitious materials
- High Abrasion resistance
- Chemical resistant
- Decrease permeability in concrete and mortars
- Rapid drying time
- Non re-emulsifiable
- Air-Curing at ambient temperature and relative humidity
- Ultraviolet light and heat resistance
- Eco-friendly and non-toxic

Uses

WECO® W800+ DUROKRYL™ is an acrylic polymer emulsion that can be used either as non re-emulsifiable bonding agent or as an admixture that enhances Portland cement-based mixes, substantially improving their mechanical properties once they harden. When WECO® W800+ DUROKRYL™ is used as a bonding agent, becomes an integral part of the interface between the cementitious material and the surface to be bonded creating a strong bond between the materials to be bonded.

As a bonding agent WECO® W800+ DUROKRYL™ must be used undiluted to:

- Bond repairs made in Concrete Sidewalks, floors, driveways and steps among others
- Promote adhesion between portland cement mortars to concrete blocks, marble, clay tile etc.

As an admixture WECO® W800+ DUROKRYL™ must be used diluted as shown on the mixing guide to:

- Mix mortars for vertical and overhead repair applications
- Mix mortars* for repairs on sidewalks, floors, driveways, flatwork repairs and concrete pavements
- Enhance properties mixing dry mortars such as WECO® W-350™

*Depending on reparation depth, use of gravel on mixes may be necessary

Suitable Substrates

- Existing Concrete
- Concrete Blocks
- Bricks
- Glass Block
- Expanded polystyrene wire mesh panels (EPS)

Quality Standards

ASTM C-1059 Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete. Type II

Performance Attributes

Properties	
Type	100% Acrylic Polymer
Consistency	Liquid, milky white
VOCs	< 25 g/L
Solids by weight	45 - 50 %
Density	8.9 lb./gal (1.06 g/mL)
pH	9.35
Application Temperature	40 - 95°F
Drying Time (@70°F)	1 hour (2 mil film)
Shelf Life	12 months unopened

Packaging

Product Code	Size and Color
WE0780024	Bucket / 1 Gallon / White
WE0780024	Pail / 5 Gallons / White

Approximate Coverage

Substrate	Yield
Roughened concrete	200-300 sq. ft. per gallon
Smooth concrete or plaster	300-400 sq. ft. per gallon

Surface Preparation

All substrates must be solid, firm and free of oil, curing compounds, wax, grease, dust, asphalt, efflorescence, mildew, existing patching materials or any other contaminant that might inhibit adhesion. Dull all shiny surfaces mechanically. Thoroughly pre-dampen all concrete surfaces with clean potable water to the SSD Condition (saturated, surface dry).

Mixing

Weco® W800 + Durokryl™ it's a concentrated product and is necessary to dilute according to this guide. Before dilution stir well and add to a clean mixing container. Add water and then the other mix components, mix using a slow spin power mixer and avoid introducing air to the mixes.

Mix Type	Mix Use	Water* (gal)	Cement (lb.)	Sand (lb.)	Gravel (lb.)	YIELD (cu. ft.)
Slurry	Bonding	1	20	-	-	0.42
Mortar for applications up to 1" Depth	General	3	60	100	-	1.48
Concrete for applications up to 2" Depth	General	4	70	150	30	2.50

*Water amount needed to mix with **1 Gallon of Weco® W800+ Durokryl™**

Application

If used as a bonding agent apply undiluted by brush spray or roller in a thin continuous film. Broom out puddles before pouring and do not allow to dry, apply the material to be bonded only if the substrate is still tacky. If used as additive, prepare the mix first, place Weco® W800+ Durokryl™ and cement bonding slurry first, followed by repair mix. Place within 20 minutes. Avoid overworking.



Curing and Protection

Protect against severe weathering specially within first 24 hours. Use of damp burlap is highly recommended or water-based curing compound. Curing should continue for a period of at least 5 days in warm climates [70°F (21°C) or greater].

Caution

In case of eye contact, flush thoroughly with water for at least 5 minutes. Do not rub eyes. In case of irritation due to skin contact, flush area immediately with clean water, if irritation persists Consult a physician immediately. If swallowed, do not induce vomiting. CONSULT A PHYSICIAN IMMEDIATELY. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN. Refer to the product's safety information on the Safety Data Sheet (SDS)

Warranty

Our liability regarding this product is limited to its replacement or its refund value should it not comply with our specifications and does not include any application costs



For more info please contact us
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