



THE EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD • Cleveland, OH 44110
(216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596
www.euclidchemical.com

IRON WATERPELLER®

CATALYZED METALLIC WATERPROOFING TREATMENT

- XENG.SPECS ◆CATALOG INDEX
- ◆MSDS ◆SECTION INDEX
- XFRENCH ◆PRINT
- XSPANISH ◆EXIT CATALOG

IRON WATERPELLER is a mixture of clean commercial pulverized cast iron mixed with a chemical oxidizing agent which acts as a catalyst and causes the iron particles to rust and grow in size. IRON WATERPELLER is jobsite mixed with cement and water. This product is used as a multiple coat surface treatment to waterproof concrete and masonry surfaces.

PRIMARY APPLICATIONS

IRON WATERPELLER is recommended for both interior and exterior applications especially below grade

- Floors
- Wall slabs
- Foundations
- Storage tanks to increase their water resistance
- Elevator pits

FEATURES/BENEFITS

- Easy to use
- Cures to a water-tight surface coating
- Excellent bond to block and concrete

SPECIFICATIONS/COMPLIANCES

- Tested in accordance with Specification GSA Washington, D.C. 65-170-43, Section 13.
- This product meets V.O.C. contents in accordance to EPA 40 CFR Part 59 Table I Subpart D for Waterproofing Sealers and Treatments with a maximum V.O.C. content of 600 g/l.

COVERAGE

A total of 30 lb (13.6 kg) of IRON WATERPELLER must be purchased to waterproof each 100 ft² (1.46 kg/m²) of area. This quantity is applied in a four coat application (including Bond Coat).

PACKAGING

IRON WATERPELLER is packaged in 50 lb (22.7 kg) and 100 lb (45.4 kg) units.

Shelf life in original unopened package is 1 year.

TECHNICAL INFORMATION

Typical Engineering Data

IRON WATERPELLER is formulated with catalyzed iron for safety and effectiveness.

CHEMICAL ANALYSIS PERCENT BY WEIGHT

	Specified	Typical
Oxidizing agent as		
NA Chloride	3% to 5%	4%
Total Iron		87.3%
Magnetic Iron	85.0% min	86.1%
Iron Oxid	5.0% max	1.2%

Graded Sieve

Analysis (% passing)	Specified	Typical
#20 Screen	100	100
#35 Screen	95-100	100
#40 Screen	90-100	100
#60 Screen	65-100	95.1
#100 Screen	45-70	53.9
#200 Screen	10-25	21.7

Appearance-IRON WATERPELLER is a black, fine iron aggregate. When mixed with water and cement, the in-place appearance is that of concrete. A protective coating of cement and aggregate is recommended to prevent excess oxidation of the iron. Some speckling from the oxidation of the iron is normal.

V.O.C. 0 g/l

DIRECTIONS FOR USE

Surface Preparation-The block or concrete must be clean and sound. All oil, dirt, debris and unsound materials must be removed. The surface must be prepared mechanically using a wire brush, scraping or chipping. The final step in cleaning should be the complete removal of all residue with vacuum cleaning or pressure washing.

All block and concrete should possess an open surface texture with all curing compounds and sealers removed.

Repair all cracks and holes with DAM-IT (available from The Euclid Chemical Company).

Pre-dampen the surface prior to application of IRON WATERPELLER.

Bonding-After the surface has been prepared, prime all areas with a bond coat of IRON WATERPELLER. Place the IRON WATERPELLER coating on the wet bond coat before it dries.

Bond coat-After the surface has been prepared and pre-dampened, prime all areas with a bond coat. For a bond coat, mix the product as instructed but add an additional 1-2 pints (0.5-1.0 liter) of water per bag. Broom the bond coat on to the prepared and pre-dampened concrete. Apply the IRON WATERPELLER treatment before the bond coat has dried.

Waterproof Coat

Mixing-Mix 2 parts by weight IRON WATERPELLER with 1 part by weight portland cement. Add enough water for a brushable consistency.

Deep areas may be filled with a mixture of 25 lb (11.3 kg) portland cement, 50 lb (22.7 kg) silica sand and 25 lb (11.3 kg) of IRON WATERPELLER.

Placement-A total of three waterproof coats of product should be brush applied to ensure a waterproofing treatment. Fog mist each layer to ensure oxidation will begin and allow each layer to dry (6-8 hours) before the application of the next layer.

Finishing/Walls-Treated surfaces, except floors, should receive a protective coating, of a minimum 1/8" (3 mm) thickness, consisting of one (1) part by weight portland cement and two and a half (2 1/2) parts by weight fine aggregate, applied directly over the treatment. The protective coating, unless indicated to receive other finishes, shall be floated to a smooth, level surface. Where other finishes are scheduled, the protective coating should be scratched or roughened to a granular texture.

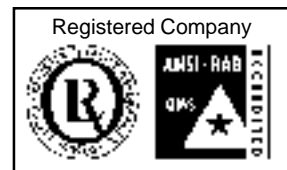
Finishing/Floors-Immediately after application of last coat of metallic waterproofing treatment on floors, apply a protective topping of 1" (25.4 mm) thickness minimum, since IRON WATERPELLER is not intended for use as a wearing surface.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- Keep repair from freezing until a minimum age of three days is reached.



Form Iron Waterpeller-5.00

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.