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Hippo-Seal Concentrate with Micro-Lok 100% PENETRATING WATER REPELLENT ALKOXYSILOXANE

PRODUCT DESCRIPTION

HIPPO-SEAL CONCENTRATE is a solvent free, 100% active solid, Alkoxysiloxane repellent which is to be diluted 9 to 1 with clean water before use, HIPPO-SEAL self emulsifies to form a high performance and deep penetrating, alkali resistant water repellent emulsion. When applied, HIPPO-SEAL forms a short-chain water repellent barrier deep within the masonry surface. This hydrophobic barrier displaces water yet remains highly vapor permeable and allows moisture to escape. HIPPO-SEAL performance is not affected by weathering, UV light or wind driven rain. MICRO-LOK creates a micro-molecular chemical and mechanical bond between the water-repellent chemicals and the substrate. HIPPO-SEAL penetrates deep into porous masonry surfaces to provide long lasting and virtually indestructible water repellent protection that is not affected by weather or sunlight. Helps prevent spalling and cracking caused by freeze thaw cycles. Helps prevent chloride ion intrusion and efflorescence.

Product Features

1. Exclusive MICRO-LOK formulation
2. Mold and Mildew Inhibitor
3. Protection not effected by weathering or UV light
4. Single or multiple coat application
5. V.O.C. compliant
6. Maintenance free
7. Breathable – does not trap moisture
8. Can be used in cold temperature applications
9. Will not yellow.

Continues to perform: Up to 15 Years

Recommended Uses:

- Masonry block
- Concrete
- Stucco
- EFIS or cement plaster
- May be used on composite construction with a variety of substrates.
- An Excellent Primer for Paint Applications
- Recommended for Both Horizontal and Vertical Surfaces
- Oil, Gas and Brake Fluid Repellent

COVERAGE RATES (ESTIMATED):

<u>Substrate</u>	<u>Sq Ft/ 4 litre</u>
CMU Precision Block	70-90
Split Faced	70-90
Scored/Fluted	75-100
Lightweight	55-65
Clay Brick	150-200
Stucco	125-175
Dense Masonry Surfaces	150-200
Adobe Block	80-90
Clay Block	60-70
EFIS	100-150
Concrete Curing	300

Special Considerations:

- Use of fluted or scored block or raked joints will increase surface areas by 20%-30% or more and decrease coverage rates. Allow for this increased surface area when determining material requirements.
- Extremely porous surfaces may require multiple coats.

HOW TO USE & PRECAUTIONS:

All surfaces to be coated shall be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar and mold and mildew, etc. All cracks shall be pointed or caulked. All voids, bee-holes, masonry surface defects and openings such as conduits, pipes drains, door frames, vents, air conditioner openings, electrical openings, control joints or any dissimilar materials shall be repaired using urethane or other approved patching.

To achieve desired results Hippo-Seal Concentrate should be diluted as follows:

- 15 Years: 9 parts water to 1 part concentrate

FOLLOW THESE SIMPLE STEPS

1. HIPPO-SEAL should be applied using low-pressure airless spray equipment.
2. Avoid atomizing material by using a spray tip size of .035 to .052. Spray head should be held 8 to 12 inches from the surface so that the flood coat runs down the wall approximately 6-12 inches below the point of application.
3. Avoid application in windy weather.
4. Trigger gun off at the end of each pass to avoid using excessive materials. Stop all applications only at corners, joints, seams or edges.
5. At time of application, moisture content of all surfaces shall be 30% or less as measured with an electronic moisture meter.
6. Do not apply if ambient air or surface temperatures are below 5°C or over 35°C or if temperatures are expected to drop below freezing within 24 hours or if rain is imminent.
7. Multiple coats may be applied.

TEST PANEL:

Always apply material to a mock wall or test panel, test wall or actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

TECHNICAL DATA

Technical services, specification assistance or information regarding application requirements of this product is available from Graffiti Solutions Canada at 613-838-5842 or 866-906-9273.

Material Type	Alkoxysiloxane
Active Solids Content	100.0%
Color of Material	Milky White
Odor	Slight Ammonia Odor
V.O.C.	<40 g/L V.O.C. Compliant
Flash Point	Non-Flammable
pH Value	Approximately 12.5
Viscosity	9.6 Seconds No. 4 Ford Cup
Weight	Approximately 8.7 lbs./gal.
Surface Dry Time	Approx 1 Hour
Full Chemical Cure	5 to 7 Days

TEST DATA

Wind Driven Rain ASTM E-514-86—98.7% Leak Red
Water Pen Fed Spec SS-W-110C 75% Min Req 96.8% Leak Red Chloride Ion Intr Salt
Pounding NCHRP No. 244 Series IV—95% Red. 244 Series II—83% Red.

Water Abs CMU ASTM C140-75 -98.6% Effective

Water Vapor Trans ASTM D-1653-71-100% Vapor Perm

Water Repellency ASTM C67-87-98.6% Effective

Weathering ASTM G-53-3500 Hours – No Change