

HIGH-PERFORMANCE LIQUID MASONRY CLEANER

Efflorescence & Calcium Buildup Remover — Concentrate — Acidic Formula

SKU: **TBD**

1 — PRODUCT DESCRIPTION

StoneKraft Liquid Masonry Cleaner is a professional-grade concentrated acid formula developed for Quebec contractors working with brick, concrete block, and natural stone. It dissolves efflorescence, calcium buildup, and mortar haze while uniformizing mortar joint colour through its proprietary wetting agent system.

Formulated as a gentler, more controlled alternative to straight muriatic or nitric acid, it reduces liability on heritage and polished masonry while delivering comparable cleaning power on appropriate substrates.

CONCENTRATE

BIODEGRADABLE

PHOSPHATE-FREE

QUEBEC-MADE

2 — PHYSICAL & CHEMICAL PROPERTIES

Appearance	Liquid, yellow-pale
Odour	Sharp, acetic (vinegar)
pH (undiluted)	≈ 1 (strongly acidic)
Density	1.1 kg/L
Boiling point	108 °C (226 °F)
Vapour pressure	1.6 kPa @ 20 °C
Water solubility	100 % miscible
Active ingredients	Acetic acid + Hydrochloric acid (≤ 20 % each; diluted < 15 %)
Biodegradable	Yes

3 — RECOMMENDED & RESTRICTED SURFACES

SURFACE	RECOMMENDED	CAUTION	AVOID
Fired clay brick	✓		
Concrete block (CMU)	✓		
Concrete paving & pavers	✓		
Natural stone (unpolished)	✓		
Stucco / parging		TEST FIRST	
Paint / coatings	✓		
Glass / anodized aluminum	✓		
Polished marble			X
Polished limestone		CONFIRM	
Unpainted metal			X

⚠ **Mandatory field test: Apply to ≥ 20 ft² (2 m²). Wait 7 days before full surface treatment. Heritage masonry — consult a conservator.**

4 — APPLICATION METHOD

- 1 Pre-wet:** Saturate surface with clean water. On hot days (> 25 °C), pre-wet immediately before application.
- 2 Dilute:** Mix at minimum 1:1 (product:water). Adjust to 1:3 for light deposits. See §5.
- 3 Apply:** Stiff-bristle brush or low-pressure spray (max 100 PSI). Apply to DRY or pre-wetted substrate.
- 4 Dwell:** 5-15 minutes. Do not let dry. Reapply if drying begins.
- 5 Agitate:** Scrub with stiff-bristle brush for heavy deposits.
- 6 Rinse:** Flush thoroughly with large volumes of water. Pressure rinse preferred (500-1,000 PSI).
- 7 Repeat:** Heavy deposits may require 2-3 passes. Allow to dry between applications.

5 — DILUTION RATIOS

APPLICATION	RATIO (PROD:WATER)
Heavy efflorescence	1:1
Standard maintenance	1:2
Light / sensitive	1:3
Ready-to-use	TBD

Never apply undiluted. Minimum 1:1.

6 — COVERAGE RATE

Undiluted	≈ 186 m ² / 20 L (≈ 2,000 ft ² / 5 gal)
At 1:1 dilution	≈ 372 m ² / 20 L (≈ 4,000 ft ² / 5 gal)
Effective yield	Varies with porosity and deposit severity

Use StoneKraft calculator at stonekraft.polsia.app/calculator

7 — TEMPERATURE & CONDITIONS

Min. apply temp	10 °C (50 °F)
Optimal range	10–25 °C (50–77 °F)
Hot (>25 °C)	Pre-wet; reduce dwell; work in shade
Cold caution	No frost within 24 h
Substrate	Must be fully thawed
Rain hold	Avoid if rain within 2 h

△ **Quebec winters: Freezes below 0 °C — store frost-free.**

8 — PPE & SAFETY

Chemical-resistant gloves

Safety glasses / face shield

Adequate ventilation

Protective clothing

Chemical-resistant footwear

ROUTE	FIRST-AID
Skin	Remove clothing; wash ≥ 15 min
Eyes	Flush water ≥ 15 min; seek medical attention
Ingestion	No vomiting; call 1-800-463-5060 (QC)
Inhalation	Fresh air; seek attention if symptoms persist

9 — STORAGE, SHELF LIFE & PACKAGING

Storage temp	+5 °C to +35 °C
Conditions	Cool, dry, ventilated. Sealed.
Shelf life (sealed)	TBD
Shelf life (opened)	TBD
Container	HDPE (chemical-grade)
Sizes	TBD
Disposal	Dilute heavily; dispose per local regulations.

StoneKraft — Professional Masonry Solutions

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Download this TDS:

stonekraft.polsia.app/docs/tds-liquid-cleaner-en.pdf

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