BETON-X

T-PUHTAX

Concrete remover



BIODEGRADABLE

FAST & EFFECTIVE

READY FOR USE

Glycolic Acid vs Hydrochloric Acid

Why BETON-X Uses Glycolic Acid

When choosing a concrete remover, the type of acid used has a major impact on safety, material compatibility and environmental footprint.

Glycolic acid provides a controlled and effective reaction without excessive material damage. While HCl reacts extremely fast, its aggressive nature increases corrosion risk and safety hazards.

Property	Glycolic Acid	Hydrochloric Acid (HCl)
Acid Strength	Moderate (pKa ~3.83)	Very strong (pKa ~ -6)
Odor	Very mild	Strong, irritating fumes
User Safety	Safer handling, lower vapor risk	Highly corrosive, strict PPE required
Metal Corrosion	Low corrosion	Very high corrosion
Environmental Impact	Readily biodegradable	More hazardous
Cleaning Speed	Controlled, effective reaction	Very fast, aggressive reaction
Surface Risk	Lower risk of damage	High risk of etching & corrosion

Corrosion Comparison (% Weight Loss)

Metal	Glycolic Acid	Hydrochloric Acid
Carbon Steel	0.17	2.03
Aluminum	0.009	55.51
304 Stainless Steel	0.008	0.53
316 Stainless Steel	0.002	0.94

Hydrochloric acid causes dramatically higher corrosion, especially on aluminum and stainless steel. Glycolic acid shows minimal material loss in comparison.

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Conclusion

BETON-X, based on glycolic acid technology, provides strong concrete removal with significantly lower corrosion risk, safer working conditions and a better environmental profile. Glycolic acid delivers professional performance without the extreme aggressiveness of mineral acids.

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- Strong concrete removal
- Significantly lower corrosion risk
- Safer working conditions
- Better environmental profile



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