

CONCRETE FLOOR PREPARATION GUIDELINES

GENERAL ACID-ETCHING GUIDELINES

1. Pre-clean and degrease any heavy grease or oil spots.
2. Pre-moisten the concrete surface with clean water to saturation.
3. Remove any puddles or standing water.
4. Acid and water solution should be 5% muriatic acid. Typical store concentrations of muriatic acid is 20% and can be diluted with cold water down to 5% by mixing 4 parts water into 1 part acid. Check acid container label for concentration percent. Carefully read precautions and follow all warnings for handling the acid solution.
5. Apply an acid and water solution to floor and only allow acid to remain on surface for no more than 10-15 minutes. You should see a mild “fizzing” from the acid reaction. Heavy “fizzing” with steam or vapors may indicate to high a percentage of solution and conversely no fizzing indicates to low a percentage of acid. Do not re-apply the acid solution – more is not better.
6. Immediately rinse the floor with clean water and neutralize with an ammonia/water solution and again rinse thoroughly with clean water.