



**Kytex Solutions, Inc.**  
**Research • Development • Manufacturer**

## Retard X- 25 through X - 200

*(Water-based concrete top surface retarder)*

**Retard X** is a water-based concrete top surface retarder, designed to create an exposed-aggregate texture finish to the concrete surface. **Retard X** is formulated to give uniform controlled depth of etches varying from light to deep textures.

Properties:

Appearance and odor	Clear liquid with no odor
Specific gravity	1.03 – 1.14
PH of concentrate	~ 5

Application Method:

1. Place concrete into the form.
2. Darby trowel the concrete surface to a uniform level.
3. Using garden sprayer, spray retarder uniformly onto the prepared area. Until surface has wet-glistening appearance.
4. On very hot days cover with plastic to prevent premature evaporation of retarder. Place timber on outside forms to keep plastic above the wet retarder.
5. After several hours or next days, depending on the weather, water-flush out the retarded concrete matrix. Always water-flush a small area to check for uniformity, if concrete is too green, wait longer before water-flush.
6. Coverage is about 150 sq. ft. per gallon.

**Selection chart for retarder grade**

**Selection is based on aggregate size, ratio and the type of cement in batch-mix and desired depth of penetration**

Retarder grade	Aggregate size	Depth of penetration
<b>Retard X- 25, 50, 75</b>	<b>Smaller than 3/8"</b>	<b>Light to medium sand-blast texture</b>
<b>Retard X-100, 125</b>	<b>3/8"- 5/8"</b>	<b>1/8"</b>
<b>Retard X-150</b>	<b>3/8"- 3/4"</b>	<b>1/8- 3/16"</b>
<b>Retard X-175</b>	<b>5/8"- 1 1/4"</b>	<b>3/16"- 1/2"</b>
<b>Retard X- 200</b>	<b>1 1/4"- 3"</b>	<b>3/16"- 5/8"</b>