

# ON GUARD™ Acid Detecting Paint Specifications

**ON GUARD™ Acid Detecting Paint** is a durable, yellow coating with a unique acid-sensitive component, which changes color (yellow to red) when exposed to acid or acid vapors pH 3 or lower. **ON GUARD™** provides an immediate visual indication of a spill or leak often at quantities too small to trigger an exposure with conventional detection devices. This is a lead-free, all-organic, acrylic modified, alkyd enamel. Use on potentially hazardous surfaces such as valves, pipes (weep holes), flanges, tanks, sample ports, weld sites, truck tanker or tanker car domes, or any place where an accidental leak or spill may occur. The reaction of **ON GUARD™** to acids pH 3 or lower is instantaneous.

## PHYSICAL CHARACTERISTICS:

Appearance	Yellow
Solids/Volume	58±1 %
Viscosity	95-100 KU
Hide	Very Good
V.O.C.	3.43 lbs/gallon

**CURING TIME:** @ 77°F (25°C.):

To Touch	30 Min
To Handle	1-2 Hours
To Recoat	12-24 Hours

**TYPICAL USE:** Use **ON GUARD™** over primer as a top coat. Use of **ON GUARD™ WHITE PRIMER # 315** is strongly recommended. This product may cause lifting of inferior sub coats! Surfaces must be clean, dry, rust, oil, and contamination free. **ON GUARD™** may be used over existing paint if the user is assured the sub coating is stable and the surface is clean, dry, rust, oil, and contamination free.

**THINNING:** **ON GUARD™** can be reduced with Xylene solution, if desired. For air spray, thin up to 10%. For airless sprayer, brush or roller, thin up to 5%.

**STORAGE TEMPERATURE:** Minimum 20°F (-7°C)/Maximum 110°F (43°C).

**SHELF LIFE:** One year in the factory-sealed can at the above storage temperature

**MIXING:** Stir **ON GUARD™** thoroughly, making sure that no pigment remains on the bottom of the can.

**COVERAGE RATE:** 250 to 300 square feet per gallon. Allow for overspray and surface irregularities.

**APPLICATION PROCEDURE:** Apply **ON GUARD™** to achieve 4 mil dry thickness (2-3 brush coats).

**SURFACE TEMPERATURE:** Minimum 40°F (4°C) / Maximum 120°F (49°C)

**CLEAN UP INSTRUCTIONS:** Clean all equipment immediately after use with Xylene. Flush and clean spray equipment before material dries.

**APPLICATION EQUIPMENT:** Air or airless spray, brush or roller.

**AIR SPRAY:** *Suggested equipment, or equivalent*

Gun	Fluid Tip	Air Capacity	Air Hose ID	Material Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss, MBC, or JGA	E	76.5 or 78	5/15" or 3/8"	3/8" or 1/2"	60-80 psi	10-20 psi

**Note:** Low temperature or longer hoses require higher pot pressure

**AIRLESS SPRAY:**

Tip Orifice	Atomizing Pressure	Material Hose IC	Manifold Filter
0.015"-0.019	1800-3000 psi	¼" or 3/8"	60 mesh

**Note:** Use appropriate tip and atomizing pressure for equipment, applicator technique and weather conditions.