

■ MATERIAL COVERAGE

Mils	15	20	30	45	60	100	250
Sq. Ft. / Gallon.	106.9	80.2	53.5	35.6	26.7	16.0	6.4

* Coverage rates are theoretical. Allow 15-20% waste for typical applications.

To calculate coverage for any thickness per gallon:

Coverage in square feet = 1604 divided by desired thickness in mils

EXAMPLE: You need to coat 950 sq. ft. of surface at a total thickness of 30 Mils. To determine the number of gallons needed, consult the coverage chart above. As indicated, one gallon covers 53.5 sq. ft.. Divide

950 sq. ft. by the 53.5 coverage figure to determine number of gallons needed = 17.8 gallons. To allow for 20% waste, multiply 17.8 by 1.2 = 21.4. You should order 21 to 22 gallons.

■ VOLUME SOLIDS

The percentage of volume solids is an important factor in figuring coverage and cost for coating materials. Solids are the amount of material which remains after solvents or similar agents have evaporated. With **ARCOR®** 100% solids formulations (no solvents), there is 100% of the material remaining after the material dries, meaning that dry film thickness is equivalent to wet film thickness.

When comparing **ARCOR®** products with competitor's materials, it is important to determine the volume of solids. As an example, if a competing product is

75% solids and costs \$65 per gallon, then you are getting only 75% of a gallon of actual material because the remaining 25% of the gallon is solvent which will evaporate.

The formula for figuring real cost of material is:
Cost per gallon divided by percent solids.

Using the above example, this translates to:
\$65 divided by .75 (75%) = \$87.

When comparing relative cost and value, it is important to know that when you buy a gallon of **ARCOR®** materials, you get a full gallon of usable product.

■ SURFACE PREPARATION STANDARDS

A complete and thorough surface preparation is one of the most important components in creating a coating system which performs as designed. The characteristics and preparation of the substrate will

determine the overall effectiveness of any coating.

The following are reference codes for current SSPC (*Steel Structures Painting Council*) and SSI (*Swedish Standards Institute*) specifications.

	SSI	SSPC		SSI	SSPC
Solvent Cleaning	--	SP-1	Brush-Off Blast Cleaning	Sa1	SP-7
Hand Tool Cleaning	St2	SP-2	Pickling	--	--
Power Tool Cleaning	St3	SP-3	SP-8	--	--
Flame Cleaning	--	SP-4	Weathering	--	SP-9
White Metal Blast Cleaning	Sa3	SP-5	Near White Blast Cleaning	Sa2.5	SP-10
Commercial Blast Cleaning	Sa2	SP-6	Power Tool Cleaning	--	--
			To Bare Metal	--	SP-11