		Peelable coating coverage Chart				
	US GALLON		IMP. GALLON		LITER	
Mils	Sq. Ft	M²	Sq. Ft	M²	Sq. Ft	M²
0.25	6416.0	596.0	7706	715.8	1695	157.5
0.50	3208.0	298.0	3853	357.9	847.6	78.7
0.75	2138.0	198.0	2568	238.5	564.9	52.5
1.0	1604.0	149.0	1926	178.9	423.8	39.4
1.5	1069.0	99.3	1284	119.3	282.4	26.2
2.0	802.0	74.5	963.2	89.5	211.9	19.7
2.50	641.6	59.6	770.6	71.6	169.5	15.7
3.00	534.7	49.7	642.2	59.7	141.3	13.7
3.50	458.3	42.6	550.4	51.2	121.1	11.3
4.00	401.4	37.3	481.6	44.8	105.9	9.9
4.50	356.4	33.1	428	39.8	94.2	8.7
5.00	320.8	29.8	385.3	35.8	84.8	7.9
6.00	267.3	24.8	321	29.8	70.6	6.6
7.00	229.1	21.3	275.1	25.6	60.5	5.6
8.00	200.5	18.6	240.8	22.3	53	4.9
9.00	178.2	16.6	214	19.9	47.1	4.4
10.00	106.4	14.9	192.6	17.9	42.4	3.9

Questions about applying peelable coatings...

APPLICATION INFORMATION AND INSTRUCTIONS

General Chemical's PEELABLE COATINGS
I. SPRAY OPERATION EQUIPMENT AND MAINTENANCE

A. The equipment listed below is recommended to efficiently spray General Chemicals' strippable Coating onto a surface.

1. An HVLP or Conventional type spray gun (All gun parts that become wet shall be made of water-resistant materials such as stainless steel.)
2. A diaphragm or piston pump, if the product is in drums (The diaphragm pump is recommended.)
3. 25 feet of fluid hose with an internal diameter (ID) of 3/8 inches.
4. Air hose of necessary length (25 ft) and having an internal diameter (ID) of 5/16 inches.
5. An adequate amount of air and fluid filters.
6. A sufficient number of regulators.

B. Recommended Spray Gun Settings

1. Air Pressure: 35 - 40 psi (2.4 - 2.7 bar)
2. Fluid Pressure: 5 - 7 psi (0.34 - 0.48 bar) for pressure pot
3. Fluid Tip Size: 1.6 to 1.7 mm

C. Spray Gun Maintenance

1. When the spray gun is not in use, block the spray nozzle with some form of cover or tape to prevent the products from drying within the gun.
2. If it becomes necessary to clean the nozzles of the spray gun, make a mixture of General Chemical cleaner coatings remover with water. To 1 part of remover, add 6 parts of water. Flush this mixture through the spray nozzles for 1 or more minutes until the nozzles appear clean. Lastly, flush the nozzles with clean water for another minute.

II. CONSIDERATIONS AND REQUIREMENTS BEFORE SPRAYING THE COATING

A. Make certain to completely inspect the surface to which the product will be applied before spray operations begin.

1. The surface should be as clean as possible.
2. General Chemical's peelable coating is a water base product and, therefore, the application surface should be dry for the product to properly function. If the product is applied over surface water droplets, then a complete, homogeneous coverage of the surface will not be achievable.
3. The temperature of the application surface should be 45°F (7°C) or above when the coating is applied. There should be no ice or snow on the surface.

III. SPRAY PROCESS INSTRUCTIONS AND CONSIDERATIONS

APPLICATION INFORMATION AND INSTRUCTIONS:

Peelable coatings may be applied by spray or roller to any non porous surface. The list of possible applications that can use temporary protective coating is infinite!

If you have a possible requirement and would like to discuss its application please fill out contact us form on this page.

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III. SPRAY PROCESS INSTRUCTIONS AND CONSIDERATIONS

A. Make certain that the operator keeps the air and fluid hoses in back of themselves to minimize interference from these hoses during the spray operation.

B. The distance between the spray gun and the surface should be set or held at a range of 8 to 9 inches. Maintenance of this distance will ensure that the product will be applied with a uniform thickness over the surface.

C. An even, steady stroke should be used while spraying; maintain the recommended spray distance by keeping the gun parallel to the surface at all times.

D. It is recommended that adequate ventilation systems be used when applying the product. Sufficient ventilation minimizes the incidence of over-sprays. The filter for this ventilation system should be made of paper or fiber.

E. Minimize back or high air flow in the spray application area. If these types of airflow occur, then the ability of the spray gun operators to evenly spray the application surface may diminish.

IV. FINAL COATING INSPECTION

After adequate dry time has passed, inspect the coating to make sure the film is continuous and homogeneous. Those factors that may inhibit proper film drying may include water droplets, ambient temperatures below 45°F (7°C), and dirt or dust particles not cleaned off of the application surface before the coating was applied.

Today's environmental requirements have made strippable Coatings more complex and difficult than ever before.

General Chemical can provide you with a strippable coating for every operation .

Gen Kleen 3330 designed for rapid dissolve built-up films of asphalt and tar from Application equipments.

* Midas-Strip-A broad line of coatings removers to remove rubberized paring area surfaces in multi story building to stripping of Paints.

* Alkine & Acidon- General Chemical's products to be used with power wash to clean up before resurfacing.

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FAQ

How do I adjust the sprayer for the best performance?
There are typically only two variables controlling the way airless units spray, tip size and fluid pressure. Larger tips will deliver more coating and require the pump to work harder to maintain pressure. High viscosity coatings require larger tip sizes than low viscosity coatings. The best performance can be obtained by spraying the lowest possible fluid pressure that will produce a well atomized and even spray fan. Too much pressure will only increase overspray and the rate of tip wear.

What is an air assisted airless?
Air assisted airless is an airless unit with a spray gun that is supplied with compressed air to assist in breaking-up or atomizing the coating spray fan.

I have seen airless units that use compressed air. Are they still airless?
Yes, this type is either air assisted airless or it uses an air powered pump to pressurize the coating. Most airless sprayer pumps will be powered by either electric motor, gas engine or a compressed air pump.

How do I clean an airless sprayer after use?
You should follow the manufacture's instructions for your particular units It is usually acceptable with airless equipment to leasve water based or solvent based coatings in the sprayer for short periods of time(24-48 hours). Since these coatings require evaporation to cure, they will not set up in the gun. Flush the equipment with the appropriate solvent(warm soapy water works well for water based products), Clean all filters and be sure to leave a conditioning liquid in the sprayer to prevent corrosion.

What about filters for reducing tip clogging?
Using a correctly sized filter will reduce but may not eliminate tip clogging. There are several locations that may incorporate filters on spray equipment. The strainer on the Pickup side of the pump will keep foreign objects and heavy paint skins out of the pump. Manifold, gun and tip filters keep smaller particles from clogging the spray tip. The larger the surface area of the filter, the longer it will last. For tip sizes of .011"-.015" use a 100 mesh(149) micron filter. For tip sizes .017 and larger use a 60 mesh(250 micron)filter. Clean filters with soft nylon brush and an appropriate solvent. Replace filter when it will no longer wash Clean.

Should I be concerned about the high pressures involved when using airless equipment?
Airless spray equipment is relatively safe. However, it does pose an injection hazard. Since the coatings may be coming out of the spray tip in excess of 2000 PSI(Pounds per Square inch), extreme care should ber exercised when spraying. All spray tips should have a tip guard attached to keep body parts away from the tip. Other wise high pressure pain count be injected through the skin. Keep you equipment in good working condition, replace worn or kinked hoses and repair all leaking fittings to prevent spills and accidental discharge.

Peelable Coating and Application Methods

RECOMMENDED DRY FILM THICKNESS-4 to 8 mils.

CURE CYCLE

Air Cure Time will vary depending on wet film thickness as well as atmospheric conditions (temperature, air pressure, air velocity, relative humidity). Optimizing these conditions will decrease dry times. Consult your General Chemical Technical representative for further information.

PRODUCT PRECAUTIONS

- DO NOT allow the product to freeze. Frozen liquid material cannot be rejuvenated and will not function property.
- DO NOT apply the product to surfaces other than those specifically noted prior to thoroughly testing.
- DO NOT apply the coating to thin. This will result in a weak and inconsistent film which will offer no protection and be difficult to remove.
- DO NOT apply the coating when it may be exposed to rain, moisture or freezing temperatures before the coating fully cures.
- DO NOT attempt to peel the coatings at extreme temperatures. The coatings peel easily at room temperature. Very High Temperatures (Above 160 F) will cause the product to fail.
- DO NOT apply the coating over small, intricate, or delicate parts. The coating may be too difficult to remove.

WARNING! **DO NOT ALLOW PRODUCT TO FREEZE. KEEP OUT OF REACH OF CHILDREN.** Use with Adequate ventilation. **DO NOT TAKE INTERNALLY.** Avoid Prolonged contact with skin. While Spraying, wear suitable respirator with ammonia cartridge to prevent inhalation of overspray and vapors. Keep containers closed when not in use. Consult MSDS for additional information.

PRODUCT USE INSTRUCTIONS

GENERAL: The following directions and recommendations are intended to serve as a guide and will require modifications to meet local conditions.

MIXING: Not Required

THINNING: Use as received. Do not thin.

SURFACE
PREPARATION: The intended substrate must be clean and dry to accept the temporary protective coating properly. Loose debris, dust, or other contamination may degrade product effectiveness and peelability.

CONSULT MATERIAL SAFETY DATA SHEET FOR HANDLING AND SAFETY INFORMATION

AIRLESS SPRAY APPLICATION

Airless spray equipment capable of generating a fluid pressure of 2000-2500 Lbs. Select a tip size suitable for your application and equipment capabilities. Adjust the fluid pressure to achieve proper atomization and spray pattern.

CONVENTIONAL AIR SPRAY APPLICATION

Conventional air Spray equipment may be used. Some Water Based Products may require the use of a larger nozzle and or thinning with water to spray. Note the addition of water will require you to apply more material and will increase the drying time. Use as little water as is possible.

BRUSH APPLICATION

Brush on as heavy a coat as is possible apply in one direction allow to dry. Apply a second coat in a perpendicular direction to the first coat for a strong uniform film if a second coat is required.

Dry film build required in mils.	4	5	6	7	8	9	10	12
Wet mils to apply	9	11	13	14	16	18	21	25
APPROX. SQUARE FEET OF COVERAGE	194	155	129	111	97	86	75	64