OXIDISING PATINA

**Product Description**

Chemical activator for the genuine patination of metals.Use to activate Langridge Rust or Verdigris bases.

Product Code: 222

Constituents: Water, Copper Sulphate, Ammonium Chloride.

**Product Application**

A chemical solution applied to any tarnishable metal to promote genuine patinas. Because Langridge Oxidising Patina is a blended product it can activate patinas in both ferrous (iron) and non-ferrous metal bases.

For creating green/blue verdigris patinas on bronze, brass, copper, imitation gold leaf (brass), copper leaf. Make sure metal surface to be patinated is not coated by varnish. A varnish coating will prevent the Oxidising Patina from making contact with the metal and reacting with it.Degrease surface if needed by gently wiping surface with methylated spirits. Shake bottle of Oxidising Patina well before use. Pour some patina solution into a clean shallow bowl. Dip the brush or sponge into the patina solution and apply to the metal.Leave to air dry. Do not force dry or apply in temperatures above 36 degrees centigrade as the solution must stay wet for at least 30 minutes for reaction to take place correctly. The longer the patina solution stays wet the stronger the reaction and the more blue the finished patina will be. Discard any working Oxidising Patina solution left in the bowl. Working solution should be considered contaminated and should not be returned to the stock bottle. After the finished patina has dried it may be varnished with either Transparent Shellac Varnish or a clear wax varnish. The use of acrylic or oil based varnishes are not recommended as they dramatically reduce the visual appearence of the finished patina.

<u>For creating rust patinas on iron, steel or any ferrous composite metal</u>

Prepare surfaces exactly as for bronze/copper metals above.Dip the brush or sponge into the patina solution and apply to the iron based metal.Leave to air dry. For best results apply in temperatures between 20-30o centigrade. The longer the solution stays wet the more orange/red the finished patina will be.Langridge recommends application of solution in humid environments or at cooler times such as evenings.Do not apply Oxidising Patina outside as wind can dry the patina solution before it has had time to react the metal.

<u>For creating variagated finishes on bronze, brass, copper, imitation gold leaf (brass), copper leaf</u>

Prepare surfaces exactly as for bronze/copper metals above.The following process should take place near a tap for running water to quickly neutralise the reaction.Warm the Oxidising Patina by placing the closed bottle of solution for 5-10 minutes in a bowl of hot water (approx. 70o centigrade). When the patinating solution is warm, apply rapidly and generously with a brush.After 20-40 seconds (depending on the warmth of the solution, hotter solutions react quickest) an orange variagation in the metal will be seen. As the solution stays in contact longer, so the metal variagation changes to red, then, violet and finally blue. As soon as the variagated colour desired is achieved neutralise the Oxidising Patina by placing the metal surface under running water.Once fully washed, immediately pat dry the surface with a dry absorbant cloth to prevent a verdigris.The variagated finish will naturally have small percentages of other colours beside the desired colour.Seal with either Transparent Shellac Varnish or a clear wax varnish.

<u>For creating Italian pitted finishes on imitation gold leaf (brass), copper leaf and genuine silver leaf</u>

Prepare surfaces exactly as for bronze/copper metals above.Sodium Chloride (table salt) is needed for this finish.The following process should take place near a tap for running water to quickly neutralise the reaction.Apply Oxidising Patina liberally with a brush to the metal leaf.Gently sprinkle the salt grains onto the wet surface attempting not to let large clumps occur.After 5-20 seconds a reaction in the salt grains will be seen as they react with the Oxidising Patina and darken. As soon as the salt grains turn black, neutralise the Oxidising Patina by placing the metal surface under running water. Neutralising can be started at any time, the longer the grains of salt stay in contact, the more reaction will take place till the salt/patina solution corrodes through the leaf to reveal the preparation.Once fully washed, immediately pat dry the surface with a dry absorbant cloth to

prevent a verdigris.The pitted finish will naturally have a smoky tarnish running throughout the rest of the metal.Seal with either Transparent Shellac Varnish or a clear wax varnish.

**WORKING PROPERTIES**

Thinning
For best results thin with distilled water. Tap water may be substituted. The use of tap water which contains impurities such as metal salts may lead to the lowering of reactive function of the chemicals.

Appearance
Langridge Oxidising Patina is a blue colour liquid with faint chlorine odour.A small deposit of white flakes may be noticable at bottom of container.

Clean Up
Clean brushes with warm water. For further washing apply a small quantity of Marseille or other pure olive oil soap and massage the bristles of the brush to release any remaining colour. Wash thoroughly in warm water.

Drying Times
15-60 minutes to touch dry. Any airflow over the surface will evaporate the water content more rapidly which will reduce chemical activation times.
Full film drying 2-4 hours

Available in:
500ml (2225), Litre (222L), 4 Litre (2224)