

## TECHNICAL DATA

### ISC-909 INSULATOR 'A' ISB-910 INSULATOR 'B'

November 2011

We recommend Insulator on all woods but it is required with oily woods. This insulator is designed to isolate excess tannins or oily inhibitors found in exotic and dark-colored woods such as Teak, Rosewood, Ebony, Koa, etc. Insulator is fast drying, provides excellent adhesion and does not blister when UV cured. The drawbacks of not using an insulator are partial drying of the subsequent coatings, poor adhesion to substrate, and white pore.

#### GENERAL RULES:

1. These two products should be stored no longer than 12 months from date of manufacture. They should be kept in their original containers in a dark, cool, dry place away from sources of heat and at a temperature below 86°F.
2. For best performance the temperature of the product and the room should be 69-79°F and the relative humidity 35-75%.
3. The substrate needs to be well sanded with 180-220 grit paper, and must be free from dust and grease. The moisture content of the substrate should vary from 8-12%.
4. Solvent wash the wood for best results, and let dry 1 hour. If desired, stain before applying the insulator. Do not use an oil based stain.
5. In high humidity areas it is recommended that the catalyst (ISC-909) be sealed under nitrogen to avoid moisture contamination.

#### MIXING INSTRUCTIONS:

Mix one part ISC-909 Insulator 'A' with one part ISB-910 Insulator 'B'. The pot life is 4 - 6 hours.

	<u>2 Gallon Mix</u>	<u>1 Gallon Mix</u>	<u>1 Quart Mix</u>
ISC-909 Insulator 'A'	4,000 ml	2,000 ml	500 ml
ISB-910 Insulator 'B'	4,000 ml	2,000 ml	500 ml

#### APPLICATION INSTRUCTIONS:

For most woods; maple, oak, cherry, etc., one coat 2-3 wet mils is sufficient. Allow 30 minutes dry time before coating with a polyurethane or chemical cure polyester. Allow 1 hour dry time if UV curing a polyester or acrylate coating. In any case, if 4 hours elapses before re-coating over insulator, it is necessary to scuff thoroughly with 320 grit sandpaper before coating. It may be preferable to scuff and spray another coat of insulator and allow proper dry time. Application over oily or porous woods, such as rosewood, teak, mahogany, etc., will require two coats. The first coat should be mixed 1 part ISB-910, 1 part ISC-909 and 1 part RED-912. Spray a good wet coat and allow to dry a minimum of 15 minutes. Spray a second coat with the ISB-910 and ISC-909 mixed 1:1. Allow the proper dry time before re-coating with sealer or topcoat. Clean equipment before insulator cures thoroughly.