

XIM SPECIFICATION NO. 1004

DATE : April 26, 2005

UPDATED : April 26, 2005

PRIMING AND PAINTING OF WOOD

APPLICABLE SURFACES:

Hardwood: Maple, Oak, Birch, Ash, Hickory for Trim, Furniture, Floors, etc.

Softwood: Cedar, Redwood, Cyprus, Pine, Douglas Fur, Spruce for siding, trim, plywood and various particle board.

BACKGROUND:

Most of the hardwoods find their way into furniture, trim areas and floors of homes to take full advantage of the attractive grain patterns.

Less spectacular softwoods are used for exterior siding and trim, interior trim where these woods gain more respect because of their ability to hold paint. Some woods such as Western Red Cedar, Redwood and even some hardwoods such as Mahogany will release water-soluble extractives and bleed through the paint and primers. This is particularly a problem with water based latex paint and primers.

All woods are affected by exterior sunlight. The UV rays can break down the wood fibers. The best protection from the destructive UV rays is Paint, second best is a solid color stain, then a semitransparent stain and the least protection is a clear wood varnish.

PRODUCTS:

Primers:

400W White Quick Dry, Bonding Primer (Product No. 1102)

400W ES, Bonding Primer (Product No. 1144)

400 Clear Quick Dry, Bonding Primer (Product No. 1101)

X-Seal HS Quick Dry Bonding Primer (Product No. 1135)

Restorz, Sanding Primer (Product No. 1139) *Interior*

Advanced Technology UMA brand® White Bonding Primer (Product No. 1105)

Advanced Technology UMA brand® Tintable Bonding Primer (Product No. 1106)

X-Out, Interior/Exterior Primer (Product No. 1125)

X-Out Plus, Exterior Wood Primer (Product No. 1127)

SAU, Sanding Acrylic Undercoat (Product No. 1126) *Interior*

Peel Bond Water Based. Clear Bonder / Sealer (Product No. 1146)

Top Coat Paints:

EXTERIOR -Semi-Gloss or Gloss Alkyds, Semi-Gloss 100% Acrylic Latex, Industrial Enamels, urethane paints. (Check the top coat – primer compatibility)

(Top coats must have excellent gloss and color retention. They should have excellent “touch-up” characteristics since some maintenance and touch-up will be required each year.)

SURFACE PREPARATION:

The surface must be clean and free from dirt, grease, oil, wax, and other contaminants. Clean by power washing with a strong detergent or by washing with an abrasive detergent and abrasive pad. Rinse completely and allow to dry. Knots need to be spot-sealed with a solvent primer or shellac before the full primer is applied. For Best results:

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APPLICATION:

The primers can be applied by brush, roll or spray. Follow the application instructions for the various primers as outlined on their Data Sheets and Labels. Generally from about 1.0 to 2.0 mils dry film thickness is the desired dry film thickness for the primers. Each primer will have its own spread rate. See the labels or data sheets for square foot coverage. For solvent based product use natural bristle brushes – for water based products use synthetic bristle brushes such as nylon or polyester.

It is highly recommended that a standard test area be painted. The test area should include the cleaning, dulling or sanding, primer, and topcoat as specified.

CONSIDERATIONS:

Follow the primer and topcoat instructions for application, dry times, etc.

TOP-COAT COMPATIBILITY CHART

XIM PRODUCT →	400W WHITE	400W ES	400 CLEAR	UMA WHITE	UMA TINTABLE	100 CLEAR
PRODUCT NUMBER	1102	1144	1101	1105	1106	3101
Alkyd Enamel	OK	OK	OK	OK	OK	OK
Latex	OK	OK	NR	OK	OK	NR

Note: Follow instructions on the individual product Data Sheets.

XIM PRODUCT →	PEEL BOND	X- Seal	X- OUT	X-OUT Plus	SAU	Restorz
PRODUCT NUMBER	1146	1135	1125	1127	1126	1139
Alkyd Enamel	NR	OK	OK	OK	OK	OK
Latex	OK	OK	OK	OK	OK	OK

Note: Follow instructions on the individual product Data Sheets.

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