



## Technical data sheet

SAMAN GRADE + VARNISH  
gloss VGP-191, semi-gloss VGP-151, satin VGP-131,  
mat VGP-105

---

### DESCRIPTION

---

Water based urethane varnish recommended for all interior wood surfaces: floors, furniture, woodworks, doors, cabinets, etc. The varnish Grade + is formulated with an aliphatic polyurethane resin of high quality and its components are derived from advanced technologies. Its unique composition makes it a professional quality varnish with low odor which dries fast in a durable and non-yellowing finish. It takes advantage of the aluminum oxide technology for excellent surface hardness and abrasion resistance.

---

### PRODUCT SPECIFICATIONS

---

**pH:** 8.0-8.5

**Solids:** 30 ± 1 % (by weight); 27 ± 1 % (by volume)

**Viscosity:** 34-36 seconds (Ford cup #4)

**Density:** 1.03-1.05 kg/l

**Drying times:** 1-2 hours at 70°F and 50% relative humidity. Drying time may vary according to room temperature and relative humidity.

**Coverage:** 500-600 sq. ft/gal.

**VOC:** 207-215 g/l

**Gloss levels:** gloss = minimum 85%, semi-gloss = 55-60%, satin = 25-30%, mat = maximum 10% (measured at an angle of 60°)

**Catalyst:** ½ oz. of AT-Catalyst per 32 oz. of finish (pot life: 24 hours once catalysed)

**Recommended applicators:** brush, roller, pad applicator or spray

**Clean up:** Clean applicator and equipment with water.

**Storage:** minimum temperature 41°F, maximum temperature 95°F. Freeze-thaw stable (if frozen, thaw completely before using). KEEP OUT OF REACH OF CHILDREN.

**Shelf life:** at least 1 year in a well closed container.

---

### APPLICATION

---

#### Surface preparation

1. Surfaces must be clean, dry and free from wax, grease, dirt and dust.
2. New wood: sand to ensure a smooth finish.  
Varnished wood: sand to get proper adhesion or strip completely and treat as new wood.

#### Stain

If required, stain the wood with Saman water based stain TEW series.

#### Finish application

Allow the product to reach room temperature before application. Apply the product at room temperature between 60 and 80 °F with a relative humidity rate between 30 and 80%.

1. Mix thoroughly by gently stirring. Do not shake.
2. Apply uniformly 2 or 3 coats along the wood grain. Sand lightly between coats. Do not use steel wool.
3. Let dry completely surfaces and wait at least 10 days before cleaning.

#### Curing

Wait 24 hours before allowing light traffic on the final coat. The curing process takes approximately 7 to 10 days (75% cured after one day, 90% after 3 days). Place rugs after one week.