

# GELNOV

*(Clear semi-gloss acrylic interior/exterior coating)*

## **1. DESCRIPTION:**

**Gelnov** is a 100% acrylic coating.

## **2- Quality:**

- ✓ Superior quality, forms a durable enamel, flexible, permeable and dirt pick-up resistant

## **3- Advantage:**

- ✓ This product doesn't require a primer and can be used as a primer on wooden substrates.
- ✓ Give a durable and resistant finish: forms a protective enamel of superior resistance, covers the micro cracks and prevent water infiltration.
- ✓ Flexible and permeable: resist wood dilatation and contraction caused by temperature. Prevents cracks, blistering and peeling.
- ✓ Forms mold resistant enamel.
- ✓ Easy to clean and dirt pick up resistant.
- ✓ Excellent UV rays resistance: prevents yellowing, discoloration and keeps a fresh aspect longer.
- ✓ Water based coating. Tools are easily washed with water when they are still wet.
- ✓ Low in VOC (volatile organic compounds), can be used indoors projects.

After a full cure of 14 days **Gelnov** is resistant to scratches for use on floors. The hardness of the enamel is comparable to solvent based coating quality.

## **4- TECHNICAL PROPERTIES**

### **Aspect**

Note : Clear and high gloss version available

- ✓ Solvent : Water
- ✓ Binder : 100 % acrylic polymers

### **Drying time**

- ✓ Dry to touch : 2 h (21°C) / 10 min (50°C)
- ✓ Recoat time : 4 h (21°C) / 30 min (50°C)
- ✓ Rain resistant : 4 à 6 h (21°C)
- ✓ Before cleaning : 14 days
- ✓ Double drying time if humidity is superior to 50 %.
- ✓ Drying under UV lamps can accelerate **Gelnov** cure
- ✓ Required time before stacking :  
3 h (21°C) / 15 min (50°C)

(Note: Drying conditions being variable, some beforehand testing are required for stacking pieces fast. Some waxed paper is recommended between the pieces.)

**Coverage in 2 coats (required)**

- ✓ 17Lt (about 530ft<sup>2</sup>) about 50 m<sup>2</sup>

(Doesn't take into account variation of the porosity of the surface and material loses.)

**Volatile Organic Compounds (VOC)**

- ✓ < 150 g/l

**Solids in volume**

- ✓ 30 % à 40%

**Minimum film thickness (required)**

- ✓ Wet : 10 mils
- ✓ Dry : 3.0 à 4.0 mils

**Water vapor permeability (ASTM E96 Method B)**

> 570 ng/(Pa.s.m<sup>2</sup>) ou > 10 Perms US

**Resistance to water swelling (ASTM D1037)****Volume gain in 24 h immersion:**

Wooden fiber board (MDF) - 16.3%

MDF with 2 coats of **Gelnov** - 2.6%

**5. PREPARATION:**

Fix all the holes and cracks with joint compound suitable for wood. If the wood is leaching or seeping, scrape the excess and wash the surface with alcohol or methyl hydrate. Seal the knots or major veins with shellac or suitable sealer.

For certain type of hard wood or glossy surfaces a light sanding can improve adhesion. Once the surface is dry and free of any contamination, apply the coating according to the recommendation.

**6. APPLICATION:**

Application with a sprayer (airless)

Recommended tip: 15 à 17

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- ✓ Dry : 3.0 à 4.0 mils

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**Resistance to water swelling**

**(ASTM D1037)**

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