

# Clear Finish Countertop Protection

Bi-component Polyurethane Protective Resins for "Wall2Floor" System with high performances

## DESCRIPTION

**Clear Finish Countertop Protection** is a water-based bi-component protection coat for interiors, with high performances.

**Clear Finish Countertop Protection** is suitable for the protection of various horizontal surfaces, such as kitchens countertops or bathrooms, decorated with **Wall2Floor Top Coat**.

Thanks to the synergy of the chemical properties of acrylic and polyurethane non-yellowing aliphatic polymers, associated with special fillers, it allows to obtain finishes with excellent resistance to wear and to the daily cleaning up operations.

**Clear Finish Countertop Protection** (available as glossy and ultra matt) has a good resistance to cold liquids and heat resulting from contact with hot cups, but it is not recommended any contact, even for a short period, with hot-pots. It is not resistant to falls of heavy objects.

Due to its specific properties, **Clear Finish Countertop Protection** can be used as the finishing coat for floors in some of the possible applications of Wall2Floor systems.

## USES

**Clear Finish Countertop Protection** can be applied on:

- Enamels and Paints
- New or already painted wooden goods:  
parquet floor, baseboards, panels, and various objects where hardness is required.
- Surfaces decorated with **Wall2Floor Top Coat** or **Wall2Floor Top Coat Fine**.

## FEATURES

**Clear Finish Countertop Protection:**

Nature of the binder: acrylic and polyurethane aliphatic polymers

**Density:** 1,04 ± 0,05 g/ml.

**Gloss EN ISO 2813:** 15° ± 2° angle of reading 60°

**Clear Finish Countertop Protection Ultra Matt**

Nature of the binder: acrylic and polyurethane aliphatic polymers

**Density:** 1.13 ± 0,05 g/ml.

**Gloss EN ISO 2813:** 4° ± 2° angle of reading 85°

**Conforms to HACCP according to the requirements of EC Regulation 852/2004.**

**Resistance to wear UNI EN ISO 5470-1 (Taber):**

size CS17; load 1000 grams; 500 spins: 15 mg (loss of weight)

size S42; load 500 grams: 50 (spins before deterioration)

**Resistance to humid heat EN 12721:2013:** Class CEN/TS 16209 A

**Resistance to dry heat EN 12722:2013:** Class CEN/TS 16209 B

**Smell emissions RAL-GZ 430:** average value 2,7 (neat smell not bothersome)

**Drying Time (a 25 °C e 65% di U.R.):** no powder in 30 minutes, to the touch in 1 hour, complete after 3 hours.

**Overpainted:** after 4 hours.

**Surface resistance to cold liquids EN 12720:2013:**

/ = not necessary

- = not required by CEN/TS 16209 regulation

5 = any change

4 = slight change visible only with reflexed light

3 = slight mark visible from different direction

2 = Visible mark or slight deterioration of the surface

1 = deep mark or important deterioration of the surface

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PRODUCTS	CONTACT TIME						
	24 hours	16 hours	6 hours	1 hours	10 min.	2 min.	2 sec.
Acetic acid (water solution 10%)	-	4	-	5	-	/	-
Acetone	-	-	-	-	5	-	/
Ammonia (water solution 10%)	-	5	-	/	-	/	-
Citric acid (water solution 10%)	-	5	-	/	-	/	-
Detergent solution	-	5	/	/	/	/	-
Coffee	-	2	2	4	5	/	-
Ethanol (water solution 48%)	-	-	5	/	/	-	-
Paraffin oil	3	5	/	/	/	-	-
Distilled water	5	/	/	/	-	-	-
Basic sweat	-	-	-	5	-	-	-

**Class A** in 1 hour  
**Class B** in compliance to CEN/TS 16209

#### PREPARATION OF THE MIXTURE

Blend **Clear Finish Countertop Protection - Clear Finish Countertop Protection Ultra Matt** in order to avoid sediments. Pour slowly the component B into the component A and mix manually or with a low speed driller for 1 minute.

The mixture must not contain lumps, portions of the two components unmixed, impurities.

**Clear Finish Countertop Protection** mixing ratio by weight 10 parts of component A + 3 parts of component B.

**Clear Finish Countertop Protection Ultra Matt** mixing ratio by weight 12 parts of component A + 3 parts of component B.

#### DILUTION

Dilute the mixture with 10-15% of water max.

Pot life: 60 minutes approx; do not add extra water in order to postpone its pot life.

#### WARNINGS

Before applying each layer of **Clear Finish Countertop Protection**, it is advisable to filter the mixture using a with a filter with a mesh opening 40 to 90 microns.

For the maintenance of already treated surfaces with **Clear Finish Countertop Protection**, it is required to sand it.

Once it is applied on, keep the surface out of contact with any liquids for minimum 24/48 hours from the application.

Avoid abrasive cleaning products.

Do not use steam cleaners.

Keep the product protected from intense heat or from temperature lower than +5°C. If stored to as temperature close to +5°C, it is suggested to keep the product in an area with a temperature not lower than 10°C.

Do not heat the products using a direct source of heat, flame, hot body or similar. Low temperatures increase the viscosity in the bucket making it difficult to use and extend or inhibit the drying and hardening process of the various products.

- Maximum storage temperature: +30° C

- Minimum storage temperature: +10° C

- Humidity of the surface: <4%

The application in different conditions may affect the technical performances and aesthetic look of the **Clear Finish Countertop Protection**.

If possible, use the same batch of production. If different batches of production are used, it is recommended to mix them in order to avoid slight different shades.

For the correct use, dilution and application of the products here mentioned, consult their respective technical data sheets.

During the preparation of the substrate and application of the products, it is recommended the correct use of tools and individual protective devices (dpi).

#### SUBSTRATE PREPARATION AND APPLICATION

(Referred to environmental conditions T=25°C, UR=60%)

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The substrate must be perfectly dry, dust-free, with no humidity and salt stains.

Two coats are generally recommended; however it is possible to apply one extra coat in case of higher performances are needed

#### **RECOMMENDATIONS**

During the entire application process, the product must be protected from cold and high heat changes.

Do not apply with air, substrate and product temperature lower than +5°C and higher than +35°C, nor under direct sun light, nor on superheated surfaces (even if already in shadow). Environmental humidity must be <75%; substrate humidity must be <10%.

Low temperatures increase the viscosity of the resin that affect the application and its drying time.

In all the application phases, remove the masking tape before the **Clear Finish Countertop Protection** dries out completely.

Pay attention on the application on areas exposed to water. Do not leave stain water

It is advisable to use new or clean tools.

It is advisable to complete each work with materials from the same batch of production. When using multiple batches, it is recommended to remix the various products together to avoid slight differences in shading.

#### **TOOLS CLEANING**

With water, immediately after use.

#### **YIELD**

**Clear Finish Countertop Protection:** 5-7 m<sup>2</sup>/l, in two coats.

#### **COLORS**

Not to be tinted.

#### **PACKAGES**

**Clear Finish Countertop Protection-A:** 1 l

**Clear Finish Countertop Protection Ultra Matt-A:** 1 l

**Clear Finish Countertop Protection-B:** 0,300 l

#### **SHELF LIFE**

The packaged product is guaranteed for 12 months, if stored in the original sealed packages and at the adequate temperatures.

MAX Temperature: +30°C

MIN Temperature: +10°C.

#### **SECURITY PROCEDURES**

Directive 2004/42/EU:

Clear Finish Countertop Protection (bi-component paints with high performance)

EU limit value for Clear Finish Countertop Protection (cat A/j): 140 g/l (2010)

Clear Finish Countertop Protection contains 140 g/l max of VOC.

N.B. - NOVACOLOR guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets.