



# InduraKitchenGroup

A Division of AYP Nano Solutions, Inc.

## TCC (Top Coat Clear) Protective Top Coat for All AYP/IKG Systems

### TECHNICAL DATA SHEET

#### Description:

**TCC Topcoat** is a 2 component, rapid set, high performance elastomer coating. It is formulated to be extremely tough with hydrolytic stability and low permeability. It forms an impenetrable barrier that is resistant to chemicals, sewage, and water. **TCC Topcoat** complies with USDA requirements for incidental food contact.

#### Unique Qualities:

- 25 minute pot life
- Surface dry in 3 hours
- Flexible enough to move with any floor, but strong enough for heavy traffic
- Designed specifically to work with **AYP/IKG** base coats and primers

#### Ideal Use Case:

- Industrial and commercial flooring
- As a protective topcoat for **AYP/IKG** base/primer coats
- Lining and waterproofing in civil, commercial, and industrial applications
- Most rigid substrates that need protection/waterproofing

#### Surface Preparation:

- No prep required when used over **AYP/IKG** base/primer coat if applied within recoat window (typically within 6 hours after “tack-free time”)
- If recoat time is exceeded or if not being applied over **AYP/IKG** products, ensure surface is free of grease, oils, and dirt
- Sand lightly to ensure the surface is rough enough that **TCC Topcoat** can grip and adhere to it
- Apply **TCC Topcoat**



**Cold Temperature Caution:**

- Product temperature must have been kept between 55 °F - 86 °F (13 °C - 30 °C) for 24 hours preceding application.
- Surface and ambient temperature during application and curing must be between 55 °F - 86 °F (13 °C - 30 °C).

**Application:**

- Thoroughly mix each part individually. Separation may occur, this can be corrected by re-mixing until it achieves consistency.
- Add part B into part A while continuously mixing part A with a Jiffy Mixer at 650 rpm (product can not be mixed by hand) in a ratio of 1 part A to 1 part B. Mix for 2 Minutes.
- Pour on to surface and spread with a squeegee until a coverage of around 200µm is achieved. Product thickness of 250µm or more is undesirable
- Back roll with heavy nap, non linting, cotton paint roller to even out application
- Clean up with solvents such as xylene, MEK, or acetone

**Anti-Skid Additive:** Add 15% non-skid additive by w/v for general use. However add more where the floor is often oily or wet to provide additional grip. - **3 Quarts Non Skid/ 5 Gallons Top Coat**

**Color Pack:** Add 5% color by w/v.- **1 Quart Color Mix / 5 Gallons Top Coat**

**Note: Higher humidities and temperatures will shorten pot life  
To extend working time, you may add n-Butyl Acetate up to 10% of Volume**

**For Temperatures above 80 °F (26 °C) and Humidity Levels above 50% , you may use our InduraXtend Retarder up to 10% of Volume to prolong working time**

**Chemical Resistance:**

**TCC TOPCOAT** is resistant to the following common chemicals:

- Acetic acid 10% (discoloration after 7 days)
- Ammonia 28%
- Bleach 10%
- Brake fluid (slight blister after 7 days)
- Citrus cleaners (slight blister after 7 days)
- Diesel fuel, gasoline, transmission fluid
- Ethanol 100%
- Sodium hydroxide 50%
- Sodium hypochlorite 10%
- Sulfuric acid 50%
- Urine

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**Typical Properties:**

<b>Property</b>	<b>Value</b>
Color	Clear
VOC	None
Flash Point	Non-flammable
Viscosity	350 CPS
Coverage	20m <sup>2</sup> /gallon, 200µm thickness
Light Foot Traffic	8 hours
Full Cure	5 Days
Shelf Life	1 year
Hardness	Shore D82 (ASTM D2240)
Abrasion	48 mg (CS-17 wheel, 1000g, 1000 cyc.)
Tensile	8100 PSI (ASTM D412)
Elongation	55% (ASTM D124)
Heat Resistance	221 °F/105 °C
UV Resistance	High
Packaging	5 gallon pails