



InduraCold

Walk-In-Freezer FLOOR COATING

TECHNICAL DATA SHEET

Description

InduraCold is a fast-set, rapid curing coating to be applied over concrete floors in temperatures below freezing while the freezer remains **ON**. Most importantly, IC is able to tolerate moderate amounts of moisture during installation.

Unique Qualities

- Zero VOC - 100% solids, odorless
- Can be applied in below-freezing temperatures
- Relatively insensitive to moisture
- Flexible and seamless
- Complies with all major regulatory requirements for incidental food contact
- Work can be done overnight

Ideal Use Case

- For large walk-in coolers/freezers - Supermarkets, Food Plants, Commercial Kitchens

Colors

- Standard colors: light grey, dark grey, yellow, red
- Custom colors available, minimum quantities apply



Materials + Surface preparation process:

- Please contact AYP Nano Solutions
- agustin@aypnano.com
- paul@aypnano.com

Application:

You will need the following items to apply InduraCold, so make sure you have the following:

Equipment/supplies:

- Generic electric paint mixer
- Paint mixing bucket (5 gallon size recommended)
- Paint rollers and trays (short nap recommended)

Materials:

- InduraCold Part A and Part B
- InduraCold stabilizer I
- InduraCold stabilizer II
- InduraCold non-skid additive

Application process:

1. Mix 1% stabilizer I and 1% stabilizer II with InduraCold Part A.
2. Mix Part A (with both stabilizers) with Part B. Mix ratio is 1:1. Also add 10% non-skid additive.
3. Pour some amount out of the bucket onto the concrete floor. Spread evenly with paint roller.
4. Area coverage should be around **200 square feet per gallon.**
5. **Cure times:** Light foot traffic in 4 hours; light traffic in 8 hours; full cure in 5 days.

Packaging

- 5 gallon pails
- 12 month shelf life



Technical Properties

Property	Values
· VOC	Zero, 100% solids
· Flashpoint	140°C
· Density	9.5 lb/gal
· Viscosity	350 cps
· Area coverage	200 sf/gal, depends on conditions
· Film thickness	10 mils, depends on conditions
· Hardness	Shore D82 (ASTM D-2240)
· Abrasion	39mg (CS-17 wheel, 1kg, 1000 cycles)
· Tensile	8,100 psi (ASTM D412)
· Tear strength	350 lb/in (ASTM D470)
· Elongation	6% (ASTM D124)
· Working Time (Pot Life)	20 mins - depends on conditions

Limitations

- If concrete floor is badly damaged, first repair damages. Consult AYP/IKG for appropriate repair solutions, including InduraPatch.
- Do not expose both Part A and Part B to moisture.
- Avoid freezing.
- Store drums on wood pallets at room temperature.
- Protect from cold during shipping.
- Wear protective gear.

Important

- **For application by professionals trained, inspected, approved and certified by AYP only**
- **Read and understand every data sheet that pertains to this product before using.**