

TECHSTERILE WB 2

ONE COMPONENT WATER BASE POLYURETHANE STERILE

DESCRIPTION

TECHSTERILE WB-2 is a one component specially developed water base polyurethane protective sterile coating. It forms an impermeable, inert and durable film after complete curing. It is resistance to scratches, impact abrasion, water, condensed moisture, sterile washing solutions and various other chemicals. This excellent resistance property makes it suitable for application on walls of sterile areas and controlled rooms. It prevents the accumulation of dust and it can be easily cleaned.

TECHNICAL INFORMATION

Characteristics

Mixing ratio	: 40% dilution by potable water
Specific gravity at 30°C	: 1.33 + 0.03
Surface dry time at 30°C	: 15 - 20 mins
Finish	: Smooth and glossy
Adhesion	: Excellent
Flexibility	: Excellent
Dry film thickness	: 40-50 microns/coat
Elongation	: 450%
(As per ASTM D 412)	
Tensile strength	: 7-8 kg/cm ²
Coverage on sealer coat	: 60-65 sq.ft./ltr/2 coats
Resistant to	: Water, moisture, salt, soap water, mild acids and strong alkali solutions and sterile cleaning solutions.

FEATURES / ADVANTAGES

- Available in variety of pleasant attractive color shades
- Cures to a glossy finish. Can be made available in semi glossy or matt finish.
- Easy to apply with standard equipment's and tools.
- Provides excellent resistance to water, soap water, mild acids and alkalis, salts, sterile solutions and variety of chemicals.
- Resistant to fungus and microorganism growth.
- Resistant to condensed moisture in controlled rooms.
- Good resistance to dust pickup.

USAGE

MANUFACTURING PLANTS

- Chemicals
- Pharmaceuticals
- Foods

TECHSTERILE WB 2

ONE COMPONENT WATER BASE POLYURETHANE STERILE

- Dairies and breweries

OTHERS

- Showrooms
- Terminals
- Computer rooms
- Soft drinks bottling plant

STANDARD SHADES

White, concrete grey, brown yellow, blue, green, terracotta & others

DIRECTION FOR USE

SURFACE PREPARATION

Surface preparation is of great importance and will affect the degree of Adhesion and life of the coating. The surface should be sound, dry, and free from oil, greases and dust. The new concrete mortar / plaster should be cured for minimum 28 days. Lattice and loose particles can be removed by light sand blasting.

APPLICATION

Apply one coat of CHOKSEY'S sealer coat water dilutable coating as a primer coat. Allow it to dry for 6-8 hrs. In case the surface is very rough, apply Techoxy putty. Techoxy putty can be prepared by mixing of 1 ltr Techoxy with 2 kgs of white cement and water. Allow putty to cure for minimum 24 hrs and sand it lightly by emery paper no 320 to a smooth surface. Clean the dust by clean and dry cloth. Apply 1st coat of TECHSTERILE WB-2 by brush or spray. Second coat should be applied at the intervals of 6-8 hrs. Allow the coating to cure for minimum 24hrs before exposing to the working conditions. If the more gloss and dirt pickup resistance is required then a special clear coat can be applied on a colored coating which will give excellent gloss and smooth finish.

DRYING AND CURING TIME SCHEDULE AT RT

Surface dry time	: 10-15 minutes
Inter coat application	: 6-8 hrs
Hard dry time	: 24 hrs
Complete dry	: 72 hrs

CLEANING

Tools and equipment's should be cleaned with Xylene, Toluene, Acetone or ketone solvents.

TECHSTERILE WB 2

ONE COMPONENT WATER BASE POLYURETHANE STERILE

SHELF LIFE & STORAGE

18 months from the date of manufacture. Store at cool and dry place.

PACKING

1 liter, 4 liters and 20 liters.

PRECAUTIONS

- While application proper ventilation should be provided.
- Avoid application below 10⁰ C temperatures of surface.
- At low temperature drying and curing periods will be prolonged.
- Avoid application on damp, moist conditions, as it will create blister formation problem.