



PROCESS

We Create STERILE Environment



**USING THE BEST OF THE WORLD TECHNOLOGIES TO
GIVE A STABLE, STERILE HOSPITAL ENVIRONMENT**



STEP 1 SURFACE PRE-CHECK

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THE BIOLOGICAL LOAD OF THE SURFACE IS MEASURED BY “SPECTROPHOTOMETER” FOR BIO-LOAD COUNTS.

THE READINGS ARE CHECKED IN THE SPECTROPHOTOMETER, JOINT TICKETING IS DONE WITH THE CUSTOMER.

Advantage:

HELPS TO RECORD THE DIFFERENCE.



Bio Touch Pads



BIO-TOUCH-PADS ARE ALSO USED.

THE SPECTROPHOTOMETERS ARE IMPORTED FROM U.K.

BIO TOUCH PADS ARE IMPORTED FROM SWITZERLAND.

WHAT GETS MEASURED, IS REVIEWED



STEP 2

DRY CLEANING

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CLEANING UN-TOUCED SURFACE

ALL SURFACE IS DRY-MOPPED.
REMOVES ALL VISIBLE DIRT.

TELESCOPIC POLES ARE USED TO
REACH ALL FAR-FETCHED AREA.

VIRGIN LINT-FREE CLOTH IS USED. ALL
FANS, LIGHT-FITTINGS, EQUIPMENT
SURFACE IS CLEANED BY RUBBING THE
SURFACE WITH LINT-FREE CLOTH AND
NECESSARY PAD.

Advantage:
CLEANING WITHOUT DISLODGING DIRT.



STEP 2.1 DRY CLEANING

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NOT PM 2.5 BUT UPTO PM 0.3



THE LATEST TECHNOLOGY IN THE WORLD IS USED TO EXTRACT OUT ALL NANO DIRT PARTICLES THAT ARE EMBEDDED IN THE SURFACE PORES.

CYCLONE-SUCTION TECHNOLOGY USED TO CLEAR ALL SURFACE FROM MICRO DIRT & MICROBES EMBEDDED IN THE SURFACE UPTO 0.3 PM SIZE.

Advantage:

CREATING A TRUE STERILE SURFACE DEVOID OF MICRO-DIRT (food for microbes) WHICH ARE DIFFICULT TO CLEAN BY NORMAL DUSTING.

THE CYCLONE-SUCTION MACHINES ARE IMPORTED FROM U.S.A.



STEP 3 WET CLEANING

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CREATING OIL-FREE SURFACE

ALL SURFACE IS THEN WET-CLEANED.

USING SPECIAL DETERGENT TO CLEAR THE SURFACE FROM OIL, SLIME & PROTEINACEOUS SUBSTANCE

Advantage:

NON OILY SURFACE SHALL NOT LEAD TO DIRT ACCUMULATION.

THE DETERGENT “INVIRO-KLEEN” IS IMPORTED FROM JAPAN



STEP 4 HEAT TREATMENT

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BIO-FILM & SPORES ELIMINATED

HEAT TREATMENT IS THEN DONE ON ALL SURFACE.

SUPER-HEATED STEAM AT 185°C IS APPLIED ON THE SURFACE.

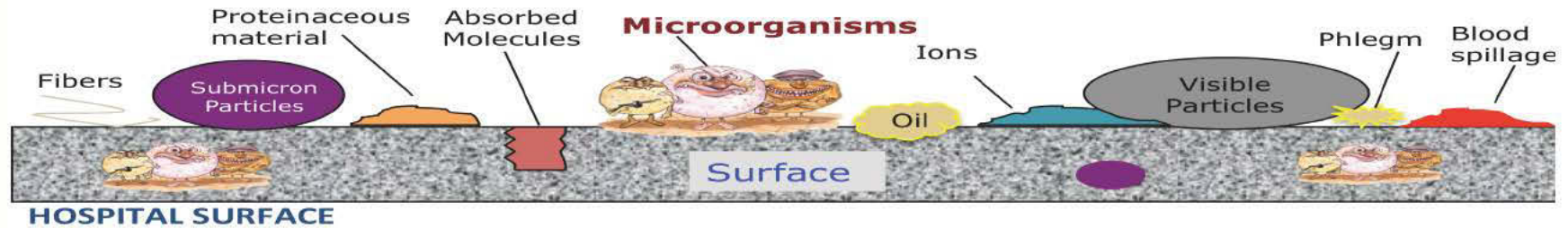
Advantage:

- ✧ ALL MICROBES DIE AT 140°C.
- ✧ ALL THE PORES OF THE SURFACE GET CLEANED.
- ✧ ALL THE PORES OPEN-UP (SURFACE CONDITIONING).

THE STEAMER IS IMPORTED FROM GERMANY



Sources of Contamination



TILL NOW FROM SURFACE:

- ✓ 1. ALL DIRT REMOVED
- ✓ 2. ALL OIL/SLIME REMOVED
- ✓ 3. ALL NANO SURFACE PORES:
 - ❖ CLEANED OFF PARTICULATES
 - ❖ CLEANED OFF MICROBES
 - ❖ CLEANED OFF BIO-FILMS
 - ❖ CONDITIONED

SURFACE IS READY FOR TREATMENT

AFTER INVIROSHIELD PROCESS



STEP 5 SURFACE IMPREGNATION

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ANTI-MICROBIAL SURFACE IMPREGNATION

 SURFACE TREATMENT IS DONE ON ALL SURFACE.

IT IS A TWO-STAGE APPLICATION:

1. **BASE COAT** IS APPLIED BY AN AIR COMPRESSOR OF OUTPUT OF 10kg/cm²g.
2. AFTER REQUISITE DRYING, THE **FINAL COAT** IS APPLIED BY THE AIR COMPRESSOR.

ALL THE NANO PORES ARE IMPREGNATED WITH INVIROSHIELD.

BASIC INGREDIENT OF  IS IMPORTED FROM JAPAN



STEP 6 SURFACE IMPREGNATION

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INSTRUMENT QUALITY AIR, NO HOSPITAL HARM



TREATMENT IS DONE USING TWO TECHNOLOGIES:

AIR COMPRESSOR GIVING AN OUT PUT OF 10kg/cm²g.

Advantage:

- ✧ PRODUCES INSTRUMENT-QUALITY AIR (i.e., HEPA FILTERED AIR)
- ✧ LOW db NOISE: DOES NOT CREATE “HOSPITAL HARM”

SPRAY GUN CONDUCIVE TO SURFACE IMPREGNATE WITH A PRESSURE BACK-UP OF 10kg IS USED.

THE AIR-COMPRESSOR & THE SPRAY-GUN IS IMPORTED FROM JAPAN.



STEP 7 SURFACE DRYING

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SURFACE WITH 1 YEAR WARRANTY

AFTER  TREATMENT THE SURFACE BECOMES “TOUCH-DRY” IN 20 MINUTES.

IN CASE SOME SURFACE REQUIRES ASSISTANCE FOR DRYING, THE **BLADE-LESS HIGH VELOCITY FAN** IS USED.

Advantage:
THESE FANS DONOT INDUCE ANY DUST/DIRT PARTICLES TO THE SURFACE.

AFTER WHICH IT TAKES 24 HOURS FOR COMPLETE DRYING OF THE SURFACE.

THE **BLADE-LESS FAN** IS IMPORTED FROM **U.S.A.**



STEP 8 SURFACE POST-CHECK

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THE ASSURANCE

AFTER  TREATMENT THE SURFACE IS EVALUATED.

OBJECTIVE:
POST TREATMENT ANALYSIS TO CONFIRM THAT  IS EFFECTIVE.

TEST IS CONDUCTED POST 24 HOURS OF TREATMENT. THE SWAB IS EVALUATED BY THE SPECTROPHOTOMETER.

THE TEST IS VERIFIED INFRONT OF HOSPITAL MICROBIOLOGIST OR CONCERNED STAFF.
AND JOINT TICKETING DONE.



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THE PROCESS IS EXECUTED BY A TRAINED PROFESSIONAL TEAM WITH MICROBIOLOGISTS PERFORMING QUALITY CHECKS



WORK EXECUTION WITH



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ALL TYPE OF SURFACE PROTECTED - CERAMIC, CEMENT, POP, WOOD, PLASTIC, LEATHER, STEEL, GLASS, ENGINEERED PLASTIC.



WORK EXECUTION WITH 



We Create **STERILE** Environment

“PATENT APPLIED-FOR” PROCESS USES THE BEST OF THE WORLD TECHNOLOGIES FROM USA, UK, SWITZERLAND, GERMANY & JAPAN





ANTIMICROBIAL ALL SURFACE PROTECTION 24x7

