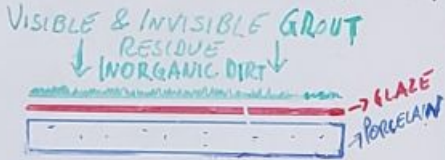


GROUT HAZE, STAINS, POROSITY..... SOLUTIONS?

GROUT HAZE

INORGANIC DIRT

- NOT CAUSE OF ALL DIGITAL PORCELAIN CLEANABILITY ISSUES.
- IT CREATES A FILM ON TOP OF THE GLAZE WHICH TRAPS ALL DIRT



- ALMOST IMPOSSIBLE TO SEE ON LIGHT COLORED TILES & TONE TO TONE GROUT
- GLAZE IS A "PERMANENT SEALER" AND PROTECTS FROM STAINS

STAINS

- EACH STAIN HAS ITS "KRYPTONITE"
- NO NEED FOR ACID TO CLEAN GREASE OR SOLVENTS TO CLEAN LIME/CALCAR

SOLVENTS

ACETONE, BENZENE
PAINT STRIPPERS,
ETC.

- GLUE BASED STAINS
- RUBBER MARKS
- INK, PERMANENT MARKERS,
- TAR & NAIL VARNISH
- WAXES & RESINS
- ETC.

ALKALINE

BLEACH, ETC.
SODIUM HYDROXYDE

- COFFEE, BEER, WINE
- BLOOD
- COKE, SODAS
- NICOTINE
- GREASE, OIL, ETC.
- "HOT WATER HUGE HELP"

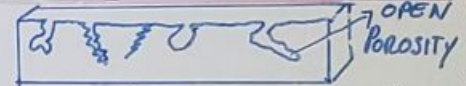
ACIDS

MURIATIC ACID
HYDROCHLORIC ACID

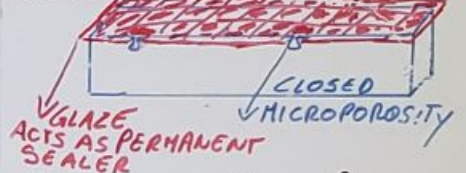
- CEMENT, GROUT, ETC.
- RUST, CIGARETTE
- LIME, CALCAR

MULTY PURPOSE CLEANERS LIKE BARKEEPER FRIEND & MAGIC ERASER, ARE ALSO VERY EFFECTIVE WHERE SOLVENTS & ALKALINE ARE NEEDED.

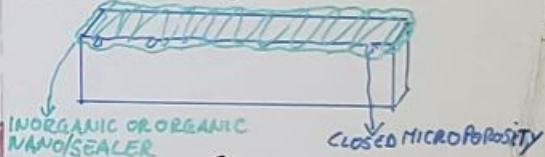
POROSITY



- NATURAL STONE PRESENTS LARGE POROSITY & CRACKS THAT NEED TO BE SEALED REPEATEDLY OVERTIME



- ALL DIGITAL MATTE PORCELAINS DO NOT HAVE OPEN POROSITY AND CANNOT ABSORB STAINS. GLAZE PROTECTS SURFACE & HELPS MAINTEN.
- IF GLAZE IS OF POOR QUALITY AND WEARS OVER TIME/TRAFFIC THEN MICROPOROSITY GETS EXPOSED AND TILE SURFACE STARTS ABSORBING DIRT & STAINS.



- ALL DIGITAL POLISHED PORCELAINS HAVE A PROTECTIVE SEALER. INORGANIC SEALER IS LONGER LASTING/RELIABLE.
- ALL POLISHED TECHNICAL PORCELAINS (FULL BODY, SOLUBLE SALTS, DOUBLE LOADED) ARE ALSO SEALED WITH SEALERS
- ALL MATTE TECHNICAL PORCELAINS (FULL BODY, SOLUBLE SALTS, DOUBLE LOADED) ARE ALSO RECEIVING A LAYER OF TRANSPARENT GLAZE TO CLOSE POROSITY, EASE MAINTENANCE AND AVOID SURFACE ABSORPTION.

SOLUTIONS

- ACID BASE SOLUTIONS
- SPECIFIC GROUT HAZE REMOVAL PRODUCTS LIKE FILLA DETERDEK
- IF EPOXY GROUT (ACID PROOF) MUST USE EPOXY GROUT REMOVERS
- IF THIS INORGANIC DIRT FILM HAS TRAPPED ORGANIC DIRT/GREASE, FOOD, ETC. AN ALKALINE SOLUTION MUST BE USED FIRST TO REMOVE THIS ORGANIC DIRT, THEN RINSE THE FLOOR. APPLY THE ACID/PROPER GROUT HAZE REMOVAL TO LIFT THE INORGANIC DIRT/FILM, RINSE THE FLOOR.
- SHOP VAC/LIQUID VACUUMS & ABRASIVE PADS SCRUBBERS WORK BEST IN THESE PROCESSES