



PRODUCTS, INC.

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Epoxy & fiberglass flooring, seamless fiberglass wall systems, sealers, high performance coating systems, and industrial cleaners

SYSTEMS THAT WORK

BY LOCATION

CHEMICALS

CHEMICAL PLANT

E.g. PLATING PLANT, FERTILIZER PLANT, CHEMICAL PRODUCTION PLANT

MAIN ISSUES- PRIMARY AND SECONDARY CONTAINMENT OF CHEMICALS, RESISTANCE TO CHEMICAL ATTACK, APPEARANCE

WALLS- OVER BLOCK OR SPANCRETE : FABRILON, CHEMSHIELD, 1121 (ESPECIALLY HIGHER UP OVER FABRILON)

FLOORS:POLYMITE 3/8", JOINTS USE EPOXY OR PFAC

CEILING: 1121, CHEMSHIELD

OTHER: FABRILON OR CHEMSHIELD FOR SECONDARY CONTAINMENT, 2" KANT AT WALL/FLOOR JUNCTURE

FABRILON LINERS IN TRENCHES.

MOST ALL SYSTEMS WILL USE 7300 OR 470 RESIN FOR BEST CHEMICAL RESISTANCE

FOODS

CHEESE/DAIRY PLANTS

MAIN ISSUES- REGULATORY APPROVAL, EASY CLEANING, DURABILITY, COST

WALLS OVER BLOCK OR SPANCRETE: FABRILON, CHEMSHIELD, 1121 (ESPECIALLY HIGHER UP ABOVE FABRILON)

FLOORS:POLYMITE ¼ "MINIMUM OR SUGGESTED 3/8", POLYMITE PE OR EPOXY (NO ODOR), FREQUENTLY A 2" KANT IS INSTALLED AT THE WALL/FLOOR JUNCTURE

CEILING: 1121, CHEMSHIELD, OCCASIONALLY FABRILON

OTHER: BRINE SOAK TANKS- FABRILON LINER, 1121 EXTERIOR

PACKAGING: POLYMITE, HIGH BUILD COATINGS

SCABBLE PREPARATION IS NECESSARY FOR FLOOR SUBJECT TO THERMAL SHOCK

MOST ALL SYSTEMS WILL USE 7100 RESIN FOR FDA APPROVABILITY AND LOWER COST WHEN ODOR IS NOT A FACTOR OTHERWISE 4100 EPOXY IS USED FOR THE FLOOR SYSTEMS.

MEAT PACKING

MAIN ISSUES- - REGULATORY APPROVAL, EASY CLEANING, DURABILITY ESPECIALLY OF KILL FLOOR, SLIP RESISTANCE

WALLS- OVER BLOCK OR SPANCRETE: FABRILON, CHEMSHIELD, 1121 (ABOVE THE FABRILON)
FLOORS:POLYMITE ¼” -3/8”, TROWELRITE EPOXY (NO ODOR)

KILL FLOOR- SCABBLED THEN POLYMITE 3/8” MINIMUM

CEILING: 1121, CHEMSHIELD, OCCASIONALLY FABRILON

OTHER: PACKAGING: POLYMITE, HIGH BUILD COATINGS- NUPRIME+ 3100-90 IS A GOOD CHOICE
MOST ALL SYSTEMS WILL USE 7100 RESIN FOR FDA APPROVABILITY AND LOWER COST

BREWERY

SPECIFIC ISSUE- ALCOHOL RESISTANCE, LOW TEMP REPARABILITY

WALLS -OVER BLOCK OR SPANCRETE: FABRILON, CHEMSHIELD, 1121 (ESPECIALLY HIGHER UP OVER FABRILON)

FLOORS:POLYMITE ¼”- 3/8”, TROWELRITE EPOXY (NO ODOR)

OCCASIONALLY FABRILON FOR LOW TRAFFIC +CONTAINMENT UNDER VATS

CEILING: 1121, CHEMSHIELD

OTHER: PACKAGING: POLYMITE, HIGH BUILD COATINGS+1300 FOR ALCOHOL RESISTANCE
MOST ALL SYSTEMS WILL USE 7300 RESIN FOR BEST CHEMICAL RESISTANCE

FOOD PLANT

E.g.- VEGETABLES, BAKERY, PIZZA MAKING

MAIN ISSUES- REGULATORY APPROVAL, EASY CLEANING

WALLS OVER BLOCK OR SPANCRETE: 1120 EPOXY BLOCKFILLER+1121 OR ENAMEL PAINT

FLOORS:POLYMITE 1/4”, TROWELRITE EPOXY (NO ODOR) ¼”, ISOFLOR, HIGH BUILD OR STANDARD COATINGS

CEILING: DRY FALL

GENERAL INDUSTRIAL**HEAVY FABRICATION**

E.g. Vehicle assembly, metal fabrication, HEAVY EQUIPMENT MAKING

MAIN ISSUES: DURABILITY, APPEARANCE

WALLS: ENAMEL PAINT

FLOORS: TRAPROCK OVERLAY + 1301 PRIMER, TROWELRITE OR POLYMITE, FLORIDYNE IF NEW,
HEAVY WEAR: ¼” - 3/8” POLYMITE. CONSIDER SCABBLING AS PREP FOR HEAVY IMPACT

DIAMOND HARD+ FLOIRDYNE FOR SHINE IN WELDING AREAS, JOINTS USE PFAC

CEILING: DRY FALL

LIGHT FABRICATION/ASSEMBLY

E.g. plastics, light assembly, mailing, packaging, shoe making

MAIN ISSUES: APPEARANCE, EASY CLEANING

WALLS: ENAMEL PAINT

FLOORS: 1301 FOR LOWER COST, 1300 COATING, 30 MIL HIGH BUILD - OFTEN MULTI COLORED. LOW COST: FLOIRDYNE, DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC

POLISHED COCNRETE A GOOD OPTION

CEILING: DRY FALL

MACHINE SHOP

MAIN ISSUES- DURABILITY TO SCRATCHES, EASY CLEANING, APPEARANCE, DNR

WALLS: ENAMEL PAINT

FLOORS: 30 MIL HIGH BUILD EPOXY, 1301 PENETRATING, 2300 OR 1300 COATING.

LOW COST: FLOIRDYNE, DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC

POLISHED CONCRETE A GOOD OPTION

CEILING: DRY FALL

PRINTING

MAIN ISSUES: DUST PREVENTION, APPEARANCE, SOLVENT RESISTANCE

WALLS: ENAMEL PAINT

FLOORS: 30 MIL HIGH BUILD EPOXY OR STANDARD 1300 COATING- OFTEN MULTI COLORED

LOW COST: FLOIRDYNE, DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC ESP IN

ASSEMBLY AREAS

POLISHED CONCRETE A GOOD OPTION

CEILING: DRY FALL

ELECTRONICS

CIRCUIT BOARDS, WELDING EQUIPMENT

MAIN ISSUES: DUST PREVENTION, STATIC ELIMINATION, APPEARANCE

WALLS: ENAMEL PAINT

FLOORS: 30 MIL HIGH BUILD EPOXY OR STANDARD 1300 COATING-NOTE FOR STATIC CONTROL USE #1300

ESD.

CEILING: DRY FALL

MUNICIPAL**GOVERNMENTAL GARAGE**

MAIN ISSUES: APPEARANCE, DURABILITY, EASY CLEANING

WALLS: ENAMEL PAINT

FLOORS: 30 MIL HIGH BUILD EPOXY OR STANDARD 1300 COATING- OFTEN IN CLEAR. 1301 PENETRATING

LOW COST FLORIDYNE + FLORIDYNE TOP BLOCKER. JOINTS: USE PFAC

CEILING: DRY FALL

SCHOOL

MAIN ISSUES- LOW/NO ODOR, EASY MAINTENANCE

WALLS: ENAMEL PAINT, EPOXY PAINT

FLOORS: 30 MIL HIGH BUILD EPOXY, STANDARD 1300 COATING, 2300 ARISTOTHANE

LOW COST: DIAMOND HARD + FLORIDYNE TOP BLOCKER. ESPECIALLY OVER STAINED CONCRETE. JOINTS

USE PFAC

POLISHED CONCRETE A GOOD OPTION

CEILING: DRY FALL

OTHER: SANDROCK IN LOCKER ROOMS, KITCHENS

HOSPITAL

MAIN ISSUES- LOW/NO ODOR, APPEARANCE, DURABILITY

OTHER: MISC. STORAGE ROOMS: NUPRIME OR 2300 ARISTOTHANE

LOW COST: FLORIDYNE OR DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC

POLISHED CONCRET A GOOD OPTION

AIRPLANE HANGAR**MAIN ISSUES: LIGHT COLOR, COLOR FASTNESS, RESISTANCE TO AIRPLANE FLUIDS**

WALLS: ENAMEL PAINT, EPOXY PAINT

FLOORS: 1013 + 2411 WHITE OR COLORS, 1013 + 1300 IN COLORS.

CEILING: DRY FALL

FIRE STATION**MAIN ISSUES: COST, EASY CLEANING, SLIP RESISTANCE, APPEARANCE**

APPARATUS ROOM FLOORS: 30 MIL HIGH BUILD EPOXY, 1013 +1300 OR 2411 WITH SLIP

RESISTANT AGGREGATE IN SELECTIVE AREAS

LOW COST: FLORIDYNE OR DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC

POLISHED CONCRETE A GOOD OPTION

WASTEWATER TREATMENT PLANT

VARIES DEPENDING ON SITUATION. #1121 WATER RESISTANT EPOXY AND 2411 URETHANE FOR OUTSIDE ARE GOOD CHOICES

FABRILON AND POLYMITE SHOULD BE CONSIDERED FOR SPECIFIC CHEMICAL RESISTANCE NEEDS

WAREHOUSE**MAIN ISSUES: DUSTING PREVENTION, LOW COST, FORK TRUCK TIRE MARKING**

WALLS: ENAMEL PAINT

LOW COST: FLORIDYNE OR DIAMOND HARD + FLORIDYNE TOP BLOCKER. JOINTS USE PFAC

POLISHED CONCRETE A GOOD OPTION

FLOORS: 1013, NUPRIME + 1300- FREQUENTLY CLEAR. LOW COST: TWO COATS OF 1301

CEILING: DRY FALL

OTHER: SLIP RESISTANT WAREHOUSE FLOORS FOR MEAT OR DAIRY PLANTS: SHOTBLAST

+2 OR 3 COATS #1301 PENETRATING EPOXY PRIMER

COMMERCIAL**MAIN ISSUES: COST, APPEARANCE, ODOR**

FLOORS: 1013, 1013 + 1300 OR 2300 ARISTOTHANE, FREQUENTLY CLEAR

OFTEN COATINGS ARE SUPPLIED TO THE FINAL CUSTOMER TO DO THEIR OWN WORK AND SAVE COSTS.

AUTO DEALERSHIP

FLOORS: 1013 + 2 COATS #1300 EPOXY (OR #2300 URETHANE) – NORMAL SERVICE

SHOTBLAST PREPARATION + 1013+2 COATS 3100 + ONE COAT #1300 EPOXY (OR #2411 URETHANE) –

HEAVIER DUTY SERVICE. 1013+ 3100-90 + 2 CTS 1300 EPOXY

LOW COST: DIAMOND HARD + FLORIDYNE TOP BLOCKER= PFAC FOR JOINTS

TRUCK REPAIR SHOP

THIS IS HEAVY DUTY SERVICE. ¼” EPOXY OF POLYESTR POLYMITE- MINIMUM -OVER SHOT BLAST PREPARATION

Tom Hennessy ChE

I hope this helps

NOTES:

1. Block and spancrete for walls should be specified as “tight”, pin hole free or non porous as possible especially for food plant work.
2. The standard coating spec should be 1 coat of 1013 @350sqft/gal + 2 top coats #1300 SR FLOOR COATING each at 250 sqft/gal. Specify color.
3. The standard high build spec should be 1 coat of 1013 @350SQFT/GAL + two top coats #3100-90 each at 125sqft/gal. Specify color.
Preparation can be either acid etching or light shot blasting
Add a top coat- 1121, 1300, 2200, or 2300 for specific conditions. Specify color.
4. The standard POLYMITE SPEC should be 1 coat of ATTAPRIME @ 350 SQFT/GAL with either a ¼” or 3/8” thick POLYMITE TOPPING. Specify color, top surface texture and resin use.
Preparation should be
acid etching- light duty
shotblasting – medium duty
scabbling- heavy duty, thermal impacts or stress.
5. The standard TROWELRITE SPEC should be 1 coat of NUPRIME @ 350 SQFT/GAL with either a ¼” or 5/16” thick TROWELRITE TOPPING, Specify color, resin use, and top surface texture.
Preparation should be
acid etching- light duty
shotblasting – medium duty
scabbling- heavy duty (5/16 ONLY), thermal impact or stress.
6. The standard FABRILON SPEC should be one coat of POLYESTER BLOCK FILLER + FABRILON TOPPING with the appropriate resin choice for the conditions of use. Use example, specify color.
7. The standard CHEMSHIELD SPEC should be two coat of POLYESTER BLOCK FILLER + 1-2 COATS OF CHEMSHIELD TOPPING with the appropriate resin choice for the conditions of use. Specify color.
8. The standard 1121 WATER RESISTANT EPOXY SPEC should be two coat of#1120 EPOXY BLOCK FILLER +1- 2 TOP COATS #1121water resistant epoxy. Use example, Specify color.
9. The standard SANDROCK SPEC needs to be 1/8”. Use example, specify 3M-color blend.
10. For clear and colored floor coatings, drop cloths should be used during ceiling painting, especially ahead of clear coatings application.
11. FABRILON may be installed over block, brick, spancrete, poured in place concrete, steel, or plywood but NEVER over dry wall.
12. The standard new concrete FLORIDYNE™ spec should be 1-2 coats FLOIRDYNE™ + 1-2 coats FLORIDYNE™ TOP BLOCKER – depends on how tightly troweled the concrete is.
13. Polishing should be 100, 200, 400 at minimum, diamond levels. The upgrade to 800, 1500 and 3000 gives greater shine.