PRODUCT DESCRIPTION:

KROMOTEX is a decorative, seamless, coloured flake system designed to protect new concrete floors or deteriorated floors subject to moderate abuse. **KROMOTEX** consists of a primer, a base coat, broadcast coloured vinyl flakes and topcoats. Available as a 50-85 mil system. This system is a very cost effective decorative solution for industrial, commercial, residential and institutional floors. System Series 6000.

PRODUCT FEATURES:

- Durable and rugged.
- Application by factory-approved contractors ensures guaranteed top quality installations.
- Seamless, monolithic and sanitary - impervious to spillage of water, oil, grease and most chemicals. Does not support bacteria or fungi growth.
- 100% solids epoxy formulation means this is an odourless product, formulated without solvents, thus reducing health and safety concerns when applied indoors.
- Slip-resistant textures available for added safety in wet areas.
- Available with integral coved bases which aid in housekeeping.
- Optional satin finish.
- Available in 32 standard colours, or in an endless variety of custom colours.
- Can be applied both interior and exterior.

TYPICAL USES:

- Topping for concrete floors in light, medium and heavy service industrial environments, (i.e. production areas, lift truck aisles, shipping/receiving areas).
- Sanitary environments subjected to constant cleaning. (i.e. laboratories, clean rooms, food production areas, washrooms, commercial kitchens).
- Repair of deteriorated and worn concrete floors.
- Showrooms, retail and commercial outlets.
- Exterior sidewalks, stairs, balconies, and pool decks.

PERFORMANCE DATA

Typical Performance After 7 Days Cure @25^{0}C(77^{0}F)

(Interior application over concrete using Epoxal 100WH)

COMPRESSIVE STRENGTH	10,236 PSI (ASTM695-85)
TENSILE STRENGTH	2,000 PSI(ASTM C-307)
FLEXURAL STRENGTH	5,000 (ASTM C-580)
HARDNESS	84 (SHORE D)
ABRASION RESISTANCE	.033g (ASTM D4060-90)
MAR RESISTANCE	1.0 Kg (ASTM D5178-91)
BOND STRENGTH	100% CONCRETE FAILURE

SURFACE PREPARATION:

New Concrete Preparation:

All surfaces to be coated must be clean, dry and free of all contaminants. New concrete must be cured a minimum of 28 days with no more than 3% moisture content. Any curing or hardening compounds, form oils, release agents or laitance must be removed by means of mechanical abrasion. Shot blasting or diamond grinding are the recommended methods. These two means of mechanical abrasion will clean the surface and open the pores of the concrete to allow maximum penetration of the primer. Ensure the methods of mechanical abrasion are dust-free.

Existing Concrete Preparation:

Ensure all loose concrete is removed, using a scarifier, diamond grinder, bush hammer or other methods. Remove any contamination, including grease and oil using an industrial cleaner. (Consult your NPC representative for recommended cleaners) Prepare the entire floor by method of a shot blaster, or diamond grinder. Patch any uneven or damaged concrete using "NPC Epoxal 100 Patch" or consult your NPC representative for further instructions.

Existing coated surfaces must be intact and tightly bonded to substrate below. If stability of existing coating is in question, test a small section and check for lifting. Hard or glossy surfaces must be abraded to improve adhesion performance. *NPC will not warrant the application of Epoxal coatings over an existing paint or urethane.*

Wood Preparation:

All wood surfaces to be coated must be clean, dry and free of all contaminants. The wood surface must be very rigid, with no possible movement. Fill any voids, or seams with NPC "Epoxal 100 Patch."

INSTALLATION TOOLS:

- Epoxy Jiffy Mixer(Drill and Mixing Bit)
- Orbital Floor Sander

PRIMING:

Interior:

KROMOTEX requires a coloured primer to be applied prior to the coloured base coat. Epoxal 100WH is a suitable primer for most applications over concrete and wood. If a lower viscosity primer is required, we recommend Epoxal 100 Primer. If the concrete substrate has recently been subjected to moisture, we recommend Epoxal 100 DCP. *(Please consult your NPC representative for further details about Epoxal 100 DCP.)* The recommended thickness of the primer for interior applications of Kromotex is 6mils. Mix primer as detailed in Epoxal 100WH Product Information.

Exterior:

The coloured primer most commonly used for exterior applications of Kromotex is Epoxal 3:1. Mix primer and apply the

primer at a spread rate of 5-7 mils as detailed in Epoxal 3:1 Product Information.

Primer should be a colour that is similar to the overall colour of the flakes.

MIXING:

INTERIOR:
Refer to Epoxal 100 WH "Mixing" as detailed in Epoxal 100 WH Product Information.

EXTERIOR:
Refer to Epoxal 3:1 "Mixing" as detailed in Epoxal 3:1 Product Information.

APPLICATION:

Interior:

Step 1. After the floor has been properly prepared to accept coating, apply one coat of primer to the entire area at a spread rate of 6 mils. Allow primer to cure.

Step 2. Mix the Epoxal 100WH base coat according to instructions, and pour contents of the mixing pail on the floor. Spread over the desired area using a rubber squeegee or flexible trowel to achieve uniform thickness of 12 mils. Brush any edges around walls or permanent objects. Saturate a medium nap roller and back roll the material to remove any squeegee lines and provide a smooth finish.

Step 3. Allow the material to settle for 5 minutes, or until the roller lines have disappeared, blending into the coating.

Step 4. Once the roller lines have disappeared, broadcast coloured flakes into the wet coating evenly. Only broadcast enough flakes to cover the wet basecoat. You should get approximately 8-10 sqft/ pound of coloured flakes. Allow coating to cure.

Step 5. When the coating is cured, sweep and vacuum all excess flakes and dust from the floor.

Step 6. Scrape all protruding flakes from the floor.

Step 7. Sweep and vacuum the entire floor.

Step 8. Mix and apply the Epoxal 100WH clear grout coat at a spread rate of 12 mils. Apply the coating in the same manner as Step 2. Allow coating to cure. This step will produce a moderately textured surface.

Step 9. Using an orbital floor sander with 100grit screens, sand the entire floor to remove any protruding flakes and create a smoother surface. Sweep and vacuum all dust from the floor.

Step 10. Mix and apply the first Epoxal 100WH clear topcoat at a spread rate of 10 mils. Apply the coating in the same manner as Step 2. Allow coating to cure. This step will produce a lightly textured surface.

Step 11. Using an orbital floor sander with 100grit screens, sand the entire floor to remove any protruding flakes and create a smoother surface. Sweep and vacuum all dust from the floor.

Step 12. Mix and apply the second Epoxal 100WH clear topcoat at a spread rate of 16 mils. Apply the coating

in the same manner as Step 2. Allow coating to cure. This step will produce a smooth surface.

Step 13. To achieve a more aggressive textured finish, a third coat can be applied. Spread the mixed material at a thickness of 5-6 mils with a rubber squeegee and back roll with a saturated medium nap roller. Using a hopper blower, broadcast a very small amount of graded silica sand over the entire floor. Silica 530 will create a medium texture that is non-slip, and relatively easy to clean. Back roll the coating immediately to encapsulate the sand and achieve a uniform textured surface.

Step 14. If a satin finish is required, apply two coats of 2K Acrylic Urethane W.B. Satin. Refer to 2K Acrylic Urethane W.B. for installation instructions.

Note: Epoxal 100WH is the epoxy liquid most commonly used in this system for interior applications, as a primer, base coat, grout coat and topcoats. There are other products that can be used as well. Epoxal 100Primer and Epoxal 100DCP both make excellent primers. Epoxal 100FC, Epoxal 100CR and Epoxal 100CC are all quality alternatives to substitute in place of Epoxal 100WH as a base coat and topcoat material.

Exterior:

Step 1. After the floor has been properly prepared to accept coating, apply one coat of coloured primer (Epoxal 3:1) to the entire area at a spread rate of 6 mils. Allow primer to cure.

Step 2. Mix the Epoxal 3:1 base coat according to instructions, and pour contents of the mixing pail on the floor. Spread over the desired area using a rubber squeegee or flexible trowel to achieve uniform thickness of 8 mils. Brush any edges around walls or permanent objects. Saturate a medium nap roller and back roll the material to remove any squeegee lines and provide a smooth finish.

Step 3. Allow the material to settle for 5 minutes, or until the roller lines have disappeared, blending into the coating.

Step 4. Once the roller lines have disappeared, broadcast coloured flakes into the wet coating evenly. Only broadcast enough flakes to cover the wet basecoat. You should get approximately 8-10 sqft/ pound of coloured flakes. Allow coating to cure.

Step 5. Sweep and vacuum all excess flakes and dust from the floor.

Step 6. When the coating is cured, scrape all protruding flakes from the floor.

Step 7. Sweep and vacuum the entire floor.

Step 8. Apply the first coat of NPC Exterior Floor Glaze at a spread rate of 300sqft/ gal (5.3 mils WFT). Allow glaze to dry for 2-3 hours before proceeding to the next step.

Step 9. Using and orbital floor sander with 100grit screens, sand the entire floor to remove any protruding flakes and create a smoother surface. Sweep and vacuum all dust from the floor.

Step 10. Apply the second coat of NPC Exterior Floor Glaze at a spread rate of 300sqft/ gal (5.3 mils WFT). Allow glaze to dry for 2-3 hours before proceeding to the next step.

Step 11. Using and orbital floor sander with 100grit screens, sand the entire floor to remove any protruding flakes and create a smoother surface. Sweep and vacuum all dust from the floor.

Step 12. Apply the third coat of NPC Exterior Floor Glaze at a spread rate of 300sqft/ gal (5.3 mils WFT). Allow to dry for 15-24 hours before resuming normal traffic.

NPC Recommends three coats of Exterior Floor Glaze as a minimum. This will produce a slightly textured surface. Additional coats can be applied to achieve a smoother surface.

CURING:

At a temperature of 22^0C(72^0F), **EPOXAL 100WH** will be tack free within 10-12 hours. It will support light traffic at 24 hours and will reach full cure in 7 days. The product will reach its full chemical resistance in seven days.

At a temperature of 22^0C(72^0F), **EPOXAL 3:1** will be tack free within 4-5 hours. It will support light traffic at 14 hours and will reach full cure and chemical resistance in 7 days.

At a temperature of 21^0C(70^0F), **EXTERIOR FLOOR GLAZE** will be tack free within 1-2 hours. It will support light traffic at 14 hours and will reach full cure and chemical resistance in 7 days.

LIMITATIONS:

- This product must be applied to a substrate with a minimum temperature of 16^0C(61^0F).
- **EPOXAL 100WH** and **EPOXAL 3:1** will amber if they are exposed to ultra violet light for a prolonged period of time.
- This product is not recommended for areas that are exposed to severe thermal shock.
- Working time and cure times are very dependant on temperature.
- Maintain a constant temperature before and during application period, and until coating is cured.
- Exterior applications must be completed while weather conditions are warm and dry with no imminent possibility of precipitation during the drying stages.