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SECTION 10.0

INTERIOR/EXTERIOR

SITE IMPROVEMENTS
 ATHLETIC FACILITIES

PLEXIPAVE® SYSTEM

DESCRIPTION:

The Plexipave Color Surfacing System, developed through almost four decades of technological advancements in acrylic athletic surfacing, is a durable, asbestos free, colorful playing surface compatible with hot mix asphalt, asphalt emulsion surfaces and suitably prepared concrete. The Plexipave System is a combination of texture coats and finish coats that provide a long-wearing color surface of uniform texture. The system is suitable for all climatic conditions and protects asphalt from ultraviolet ray deterioration. Based on 100% acrylic water vehicle coatings, the Plexipave System dries rapidly and allows surfaces to breathe enabling moisture vapor to pass through the dried film.

Generally applied in three coats, two filler coats and one finish coat, the speed of play can be adjusted by the amount of sand present in the finished coat. Additionally, Plexicushion may be used to provide a cushioned subsurface for greater comfort and ease of play.

SURFACE USES:

Over asphalt surfaces and suitable concrete:

- Tennis Courts
- Basketball Courts
- Field Houses
- Play Areas
- Lighted traffic pathways & walks
- Asphalt or concrete rooftop areas
- Multi-purpose sports areas

APPLICATION:

Depending upon the product used in the system, application is by 70 or 50 durometer flexible rubber squeegee, as well as by wide hair-type push brooms for finish coat application of non sand-filled materials.

DRYING TIME:

- 30 minutes to one hour at 70°+ with 50% relative humidity.
- Indoor applications require fans and good ventilation.
- Surface may be used for play in 24 hours after completion.

COLOR RANGE:

Nine standard colors: Light Green, Dark Green, Florida Green, California Red, Sahara Sand, Pacific Blue, Cape Gray, Brown, Maroon. (Special colors are available on request.)

LIMITATIONS:

- The Plexipave system will not prevent pavement cracks from occurring or reoccurring.
- Do not apply if surface temperature is less than 50°F or more than 140°F
- Do not apply over tar emulsion sealers.
- Allow asphalt to cure for a minimum of 14 days.
- Allow concrete to cure for a minimum of 28 days.
- No curing agents allowed on concrete surfaces.
- DO NOT STORE IN HOT SUN
- Apply only when ambient temperature is 50° and rising.
- Do not apply when rain is imminent.
- After diluting with water, use mixed materials promptly.
- Keep containers tightly closed when not in use.
- KEEP FROM FREEZING

THE PLEXIPAVE SYSTEM

The Plexipave System comprises the most complete group of recreational surface coatings and companion products available:

SURFACE COATINGS

<u>Product</u>	<u>Description</u>	<u>Specification No.</u>
Plexichrome®	Full color Acrylic (9 colors) Finish Coat (Non-Textured).	10.1
Plexipave Gran Prix	Exceptionally flexible Acrylic Surface Color Coating for resilient surfaces.	10.32
Fortified Plexipave	Ready-to-use, textured Color Finish.	10.2
Job-Mix Fortified Plexipave	On site mix for Plexichrome & Color base.	10.12
Plexipave Color Base	Neutral Acrylic Texture (filler coat) for job mixing with Plexichrome to make full color-in-depth surfacing,	10.5
Plexicushion®	Rubberized cushion subsurface, multi-coat system used under Plexipave.	10.3
Plexicushion Base Coat	Large rubber Particle Underlayment for Plexicushion.	10.9
Plexicolor® Line Paint	Flat, high-hide, 100% Acrylic Line Marking Paint – 7 colors – Textured or Non-textured.	10.4

SURFACE PREPARATION PRODUCTS

Acrylic Resurfacer	Acrylic Binder for job mixing with silica sand and water for filler coat mixes.	10.8
Crack Filler	Highly flexible, high solids filler for minor cracks.	10.10
Court Patch Binder	Concentrated Acrylic binder for mixing with silica sand and cement for patching and major cracks.	10.14
Plexibond® Coating	Surface primer as well as an adhesive in the Plexibond Fiberglass repair system.	10.11
Concrete Preparer	Acid pretreatment for uncoated Portland Cement Concrete.	10.13
Ti-Coat®	Two-component water-based epoxy primer for new or old uncoated concrete.	10.17
Plxipatch®	High Solids, ready-to-use acrylic compound for light patching.	10.21
Plxicushion Patch Compound	Rubberized patching compound for Plexicushion Surfaces.	10.22

SPECIALTY COATING

Clear-Glo #3®	Hard Acrylic surface coat for increased wear.	10.6
Grid-Stripe®	Latex field marking paint – semi permanent for athletic fields.	—

PLEXIPAVE SYSTEM APPLICATION GUIDELINES

The following recommendations apply to field procedures for coating asphalt or concrete recreational surfaces
(Note: See Application Specification 10.18 for Asphalt Surfaces and 10.19 for Concrete Surfaces):

STANDARD ASPHALT INSTALLATION

New Construction	<ul style="list-style-type: none">• Level with Court Patch binder mix or Plexipatch• 1 coat Acrylic Resurfacer• 2 coats Fortified Plexipave• 1 coat finish (depending on speed of play- either Fortified Plexipave or Plexichrome) (See Asphalt Spec. #10.18)
Re-Coat	Depending on the condition of surface, <ul style="list-style-type: none">• 1 coat Acrylic Resurfacer, (needed for courts that require extensive preparation)• 2 or 3 coats of Fortified Plexipave.

STANDARD CONCRETE INSTALLATION

New Construction	<ul style="list-style-type: none">• Acid Etch with Concrete Preparer.• Level with Court Patch Binder.• Ti-Coat as Primer.• 1 Coat Acrylic Resurfacer.• Apply 3 coats Fortified Plexipave. (See Concrete Spec #10.19)
Re-Coat	<ul style="list-style-type: none">• Remove any loose or flaking material.• Repair any spalled areas or depressions with Court Patch Binder.• 1 coat Acrylic Resurfacer (needed for courts that require extensive preparation).• Recoat with 2-3 coats of Fortified Plexipave, depending on surface wear and texture.

PLEXICUSHION APPLICATION GUIDELINES

See: Application Specifications 10.3 and 10.9

Plexicushion Club	<ul style="list-style-type: none">• 1 coat Acrylic Resurfacer• 4 coats Plexicushion• 3 coats Fortified Plexipave/Plexipave Gran Prix
Plexicushion Tournament	<ul style="list-style-type: none">• 1 coat Acrylic Resurfacer• 2 coat Plexicushion Basecoat• 3 coats Plexicushion• 3 Fortified Plexipave/Plexipave Gran Prix
Plexicushion Prestige	<ul style="list-style-type: none">• 1 coat Acrylic Resurfacer• 3 coat Plexicushion Base Coat• 3 coats Plexicushion• 3 coats Fortified Plexipave/Plexipave Gran Prix

Note: Open textured surfaces require a preliminary application of Acrylic Resurfacer

APPLICATION RATES PER COAT (UNDILUTED)

GALLON/SQUARE YARD GALLON/SQUARE METER YARDS/GALLON DILUTION RATE

ACRYLIC RESURFACER	.05-.07	.06-.09	15-20	2 to 1 10-16# Sand/Gal
COLOR BASE	.05-.07 Base (.03-.04) Chrome (.02-.03)	.06-.09 Base (.03-.04) Chrome (.02-.03)	<u>30 to 20 to 20 Mix</u> 15-20	Combined 3 to 2 to 2
PLEXICHROME	.05-.04	.05-.06	20.25	1 to 1
PLEXIPAVE	.05-.07	.06-.09	15-20	2 to 1
FORTIFIED PAVE (FACTORY)	.05-.07	.06-.09	15-20	4 to 1
JOB MIX FORTIFIED (see Color Base)				
PLEXICUSHION	.1-.13	.12-.16	8-10	4 to 1
PLEXICUSHION BASE COAT	.25	.3	4	4 to 1
CLEAR-GLO®	.025	.03	40	1 to 1
PLEXITRAC® SURFACER	.22-.50	.26-.60	2-4	4 to 1
TI COAT (A& B)	.025-.03	.029-.036	33-44	None
CONCRETE PREPARER	.01-.013	.012-.016	78-100	1 to 4
PLEXIBOND® COATING	.07-.05 .04-.025	.084-.06 .048-.03	15-20 25-40	2 to 1 1 to 2
PLEXIBOND SYSTEM: PRIMER:				