



TECHNICAL DATA SHEET #4

TRU-TOP™ Polyurethane Coating System

DESCRIPTION:

General: TRU-TOP™ is a single component UV stable liquid coating material that is best applied to large areas by spray method, or small areas by roller, to refurbish and enhance the aesthetic qualities of rubberized playground surfaces and extend the use of the original surfacing product. The product is available as a non permeable seal coat or as a porous coating. When ordering, specify TRU-TOP™ "NP" (non permeable) or TRU-TOP™ "P" (permeable).

Colors: TRU-TOP™ is available in green, terra cotta red, primary red, primary blue, beige, purple, and black. Custom colors are available on request with sufficient quantities.

TYPICAL PROPERTIES:

TRU-TOP™ typical properties are high strength and elongation that do not compromise the shock attenuation properties of the playground surfaces.

The usage rate of the material will be dependent on the texture of the surface being treated and the method of use. The installer is responsible for determination of the exact quantity and proportions based on site and surface conditions. The physical properties below are guide values only, and are not to be used for specification purposes.

Density	9-10.0 lbs. / gal (depending on color pigments)
Viscosity @ 78° F	3200-4000 cps
Solids by Weight	40%
VOC	94g/l
Solvents	0%
Flash Point (T.C.C.)	>350° F
Tensile Strength (ASTM D 412)	3000-4000 psi
Elongation (ASTM D 412)	450-550%
Heavy Metals	none
Phthalates	none

SAFETY GUIDELINES:

TRU-TOP™ is non flammable in the liquid state.

Adequate ventilation is required during the application process. Avoid breathing vapor or mist. In the event of skin contact, wash exposed areas thoroughly with soap and water. For eye contact, flush eyes thoroughly with water and seek medical attention.

Wear suitable protective equipment at all times. Consult MSDS before handling, and observe all recommended safety and handling practices.

STORAGE AND PACKAGING:

TRU-TOP™ should be stored in cool surroundings. Avoid prolonged storage over 90° F or below 35° F. Under proper conditions, in factory sealed containers, the storage life of the product is 12 months.

Standard container size is 5 gallon, re-sealable plastic buckets.

INSTALLATION GUIDELINES:

The surface should be clean, free of oil, grease, dirt and any foreign residue. Slight dampness of the surface is acceptable. Repair any mechanical damages to the tile or PIP surface. Mask all surrounding surfaces with plastic, paper and tape for protection. Overspray that is still moist can be cleaned up with water, though once cured cannot be cleaned with water and can only be scraped off a surface.

TRU-TOP™ is ready for use as supplied, and should be mixed thoroughly before and during use. If multiple pails are used, cross mix pails to assure color consistency. If multiple coats are to be applied, the first coat may be diluted 10% with water.

TRU-TOP™ coverage is 400 – 450 SF per 5-gallon pail when sprayed or approximately 275 SF when rolled. Best coverage is achieved using two coats, applied from opposite directions. Cure time is dependent upon temperature and relative humidity. Under normal conditions, allow 24-48 hours for full cure. However, under hot dry conditions it is not unusual for cure to occur in as little as one hour. Minimum surface application temperature is recommended to be no less than 45 degrees Fahrenheit with rising temperatures.

Several coats are better than one coat. Cure time varies with temperature and humidity as the material is water based.

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