

CHEMGUARD-PRO

ACRYLIC SPORTS FLOORING TOP / FINISH COAT

**TECHNICAL
DATA SHEET**

ACRYLIC TOP COAT FOR SPORTS FLOOR SYSTEMS

CHEMGUARD-PRO is a premium quality water-based acrylic top coat used as the final finishing coat in acrylic sports flooring systems. It provides a durable, non-skid, non-reflective surface with excellent resistance to UV radiation, abrasion and ponding water.

DESCRIPTION

CHEMGUARD-PRO is a single component water-based acrylic top coat specially formulated for sports surfaces. It is non-skid, non-reflective and offers excellent durability against UV radiation, abrasion and ponding water for superior performance in indoor and outdoor sports facilities.

FEATURES & BENEFITS

- ✓ Non-skid and non-reflective finish
- ✓ Excellent UV and weather resistance
- ✓ Good resistance to abrasion and ponding water (48 hours)
- ✓ Excellent adhesion to concrete, bitumen and steel surfaces
- ✓ Fast drying – touch dry in 1 hour and topcoat in 4 hours
- ✓ Easy to clean – tools can be cleaned with water
- ✓ Low odor, no fire hazard, safe to use

TYPICAL USES



Tennis, Basketball, Volleyball, Badminton, Sepak Takraw and other indoor & outdoor sports courts.

SUBSTRATE REQUIREMENTS

A. ASPHALT SURFACE

- Asphalt must be minimum 30 days old.
- Slope: 0.7% – 1%
- Laid in one layer (6 – 8 cm thick) on well compacted 150 mm road base.
- New road grade asphalt (min. 60 mm in one layer with coarse aggregates up to 15 mm).

B. CONCRETE SURFACE

- Concrete must be minimum 30 days old.
- Surface must be smooth, power troweled without cracks.
- Slope: 0.7% – 1%
- Moisture content should be below 4%.
- No rising humidity.
- Joints every 25 m² (or 5x5 meters approx.).

APPLICATION IN SPORT FLOOR SYSTEM

1 SURFACE PREPARATION

The substrate (asphalt or concrete) must be clean, dry, sound and free from dust, loose particles, grease or any contaminants that may affect adhesion.

2 APPLICATION OF CHEMGUARD-PRO

Apply **CHEMGUARD-PRO** as the final top coat using roller, brush, squeegee or airless sprayer. Ensure uniform application and proper coverage. Allow proper drying between coats if more than one coat is applied.



Consumption: 3.6 m²/L @ 250 microns DFT
(coverage may vary depending on surface condition)

3 NEXT STEP

After the final coat is completely dry (approx. 4 hours for topcoat), the surface can be open for foot traffic after 24 hours.

TECHNICAL INFORMATION

Product Type	:	Acrylic Top Coat / Finish Coat
Appearance	:	Liquid
Color	:	Refer to Color Chart
Finish	:	Matt
Volume Solid	:	90 %
No. of Components	:	One
Application Method	:	Airless Sprayer, Roller, Brush, Squeegee
Thinning	:	Thin not more than 10% with clean water
Theoretical Coverage	:	3.6 m ² /L @ 250 microns DFT
Recommended Thickness	:	250 microns DFT per coat (417 microns WFT per coat)
No. of Coats	:	One or Two
Drying Time (Ventilated Area)	:	- Touch Dry : 1 Hour (at 25°C) - Topcoat : 4 Hours
Application Temperature	:	10°C – 40°C
Substrate	:	Asphalt & Concrete (Dry & > 30 days old)
Pack Size	:	20 Litres
Shelf Life	:	12 Months from date of manufacturing in original sealed packaging
Storage	:	Store in a cool, dry place. Protect from direct sunlight and frost.

Note: Values may vary depending on ambient conditions and substrate porosity.

TOOLS



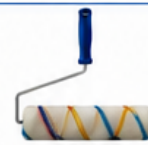
AIRLESS SPRAYER



BRUSH



SQUEEGEE



ROLLER

IMPORTANT REMARKS



Application temperature
10°C – 40°C.
Minimum bearing
temperature during
application & drying
should be above 10°C.



During temperatures
over 40°C, ideal time
for application is
between
22:00 – 09:00.



Protect the freshly
coated surface from
high temperatures,
wind, rain and frost
for at least 24 hours.



In case of damage,
it is simply repaired
and recoated
on the spot.



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