

## Technical Data Sheet

Number : T-001 01  
Effective Date : 01/01/2020

**TENNOKOTE**<sup>®</sup>  
THE ALL WEATHER SPORT COURT COATING

**TNK-1000 WA**



### PRODUCT DESCRIPTION

**TENNOKOTE TNK-1000 WA** is a special coating for sport court, the only Indonesian products are internationally certified\*, suitable for exterior and interior, and good adhesion for concrete, asphalt as well as paving block.

**TENNOKOTE TNK-1000 WA** is an environmental friendly water based coating. This quality provides excellent adhesion, abrasive resistance, weather resistance, fungus resistance, non slip, easy to apply and fast drying.

### FIELDS OF APPLICATION

- Concrete and asphalt tennis court
- Basketball court
- Badminton court
- City park and play ground
- Side walk
- Car port or parking lots
- Heliport, etc

### ADVANTAGES

- ITF (International Tennis Federation), certified level 5
- Waterbased and environmentally friendly
- Weather and fungus resistance
- Good adhesion and non slip
- Tinting color system
- Easy to apply and fast curing

### TECHNICAL DATA

Type	: Water based acrylic
Color	: As shown in the color card
Finish	: Low sheen (dof)
Specific Gravity (mixture)	: $\pm 1.20\text{gr/ml}$
Solid by Volume (mixture)	: $\pm 43\%$
Material Consumption	: $0.5 \text{ kg/m}^2$ (three coats include sand) for $\pm 200$ microns DFT
Drying Time (30°C)	:
- Surface Dry	: 30 minutes
- Hard Dry	: 24 hours
- Full Cure	: 3 days
- Open Traffic	: 24 hours for foot traffuc and 3 days for heavy traffic
Packaging	: 5 and 22.5 kg-set
Storage Stability	: One year in cool and dry storage and in original not opened box
Thinning Ratio by Weight	: First coat : 20% Second and third : 15% using clean water
Application Method	: Brush, roll, rubber squeegee
Re-coating Interval (30°C)	: Minimum 2 hour or when the first coat already dry
Application Temperature	: 15 - 35°C
Humidity Maximum	: 80 % RH
Provide adequate ventilation during application and drying	



## TEST PERFORMANCE DATA

Item	Result	Standard Test
Bonding Strength	: > 1.5 N/mm <sup>2</sup> concrete failure	ASTM D-4541
Abrasion Resistant	: < 100mg loss/m <sup>2</sup>	ASTM D-4060

## INSTRUCTION FOR USE

### Surface Preparation

Surface must be clean, dry, sound and free from all contaminants. Newly build wall must be dry after 28 days old, make sure alkalinity (pH) of substrat 7 – 8 measured using universal pH indicator. Remove all loosen material or paint residue through brushing and scraping using fibre brush. Treat any areas affected by biological organism like algae, moss or lichen with PROPAN FUNGICIDAL WASH. Repair defect with suitable materials.

### Application Procedure

Function	Product and Tools	Coating amount	Curing Time
Layer 1	: Tennokote 1000 WA. Mix well one set (Tennokote + silica sand) ± 1 minute before apply. Add the clean water ± 20% and mix well ± 1 minute. Pour the mixed material and spread using rubber squeegee and roll	0.2 kg /m <sup>2</sup>	± 2 hrs (30°C)
Layer 2	: Tennokote 1000 WA. Mix well one set (Tennokote + silica sand) ± 1 minute before apply. Add the clean water ± 15% and mix well ± 1 minute. Pour the mixed material and spread using rubber squeegee and roll	0.15 kg /m <sup>2</sup>	± 2 hrs (30°C)
Top Coat	: Do the same step of layer 2 for the last step. Total thickness ±500mic DFT. Top coat can be used in 3 days	0.15 kg/m <sup>2</sup>	

Protect areas from traffic, rain, dust or other organism which may wreck the coating.

Do not apply **TENNOKOTE-1000 WA** when the heat of the sun is very intensity. It is recommended to protect the surface from direct sunlight, rain and water splashes until the paint film is completely cured.

## RECOMMENDED COATING SYSTEM

Preceding coats : TENNOKOTE TNK-1020 WA Sealer (For asphalt surface)  
 Subsequent coats : TENNOKOTE TNK-1000 WA  
 : Nano Top Seal TS-204-1K WB

## CLEANING

**TENNOKOTE TNK-1000 WA** should be removed from tools and equipments with clean water. Hardened material can be removed mechanically only.

## SAFETY PRECAUTIONS

**TENNOKOTE TNK-1000 WA** is non toxic and non flammable and does not contain heavy metals in its materials such as lead. Avoid contact with skin and eyes. Do not inhaled. Wear suitable protective equipment such as goggles, dust mask and gloves. For more information refer to material safety data sheet (available upon request).

### First Aid

Skin Contact : Wash with soap and water. If irritation occurs, seek medical advice  
 Eye Contact : Rinse immediately with plenty of water. Seek medical advice if irritation persists.  
 Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep patient rested and help using breathing apparatus.

