

ACRYLIC SPORTS FLOORING SYSTEM





ACRYLIC SPORTS FLOORING SYSTEM

ACRYLIC SPORTS FLOORING SYSTEM

Acrylic Floor Applications:

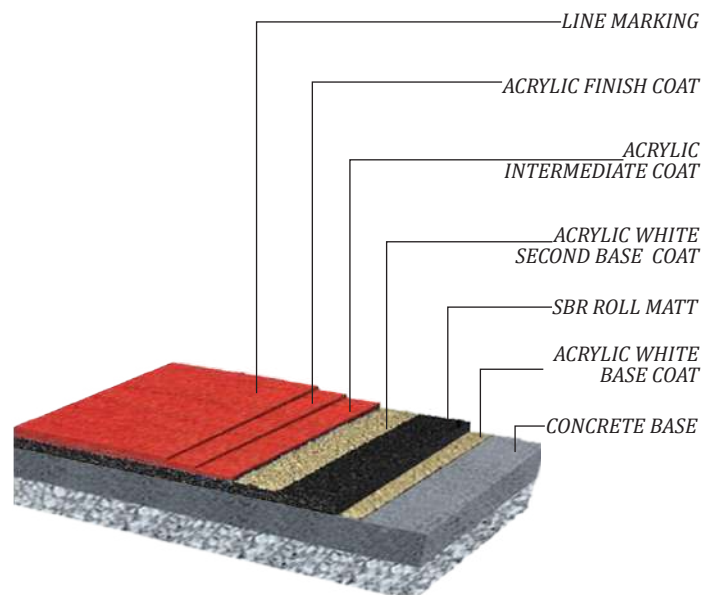
Acrylic floor system: This application is the largest flooring system used. It can be applied in the most economical and quick way. Acrylic Sports Flooring System can be applied for the usage of outdoor sports grounds of Municipalities – Schools – Play area, Walking or Cycling routes, Basketball fields, Tennis courts, and Multipurpose fields.

System Description:

Sand-filled emulsion system to fill the small gaps between the old floor and the new floor. Sand is injected into the acrylic resin to form a suitable surface texture. Depending on the type of application required.

PROPERTIES

- Long-lasting system
- Strong adherence to the ground
- Easy maintenance with a low cost
- Durable
- Provides high performance to the user
- No gliding of the system after application
- Durable in extreme weather conditions
- No fading of the color of the surface
- Applicable for variable outdoor sports grounds
- Flexible and shock absorbing property of acrylic system with shockpad
- Infuse the small gaps on the floor
- Available in different colours
- Provides a non-slip surface
- Applicable to concrete or asphalt base
- Can be used on rubber cushion rolls for higher elasticity
- Desired pattern or playing field lines can be applied comfortably



Note : Please refer page number 59 for colour chart.

TNS WHITE BASE COAT

Semi-flexible acrylic resin basecoat and filling paste in water dispersion with selected fillers for the realisation of multi-sports playing surfaces and tennis courts

APPEARANCE	THICK LIQUID
DRY SOLIDS CONTENT (%):	APPROX. 80
DENSITY (G/CM ³):	APPROX. 1.55
VISCOSITY OF PRODUCT (MPA·S):	85,000 ± 5,000
DAMP ABRASION DIN 53778 (CYCLES):	> 10,000
FAILURE LOAD (DIN 53504) AFTER 7 DAYS AT +23°C	0.50
ELONGATION AT FAILURE (DIN 53504) AFTER 7 DAYS AT +23°C (%):	46
SCHANGE IN COLOUR AFTER 1,000 HOURS EXPOSURE TO A WEATHER-OMETER (ACCORDING TO ASTM G 155 CYCLE 1) WHITE COLOUR:	$\Delta E < 0.5$
VAPOUR DIFFUSION RESISTANCE COEFFICIENT (M) (EN ISO 7783/2):	400
RESISTANCE TO PASSAGE OF VAPOUR FOR A 0.5 MM THICK DRY LAYER SD (M) (EN ISO 7783/2):	0.2
CAPILLARY ACTION WATER ABSORPTION COEFFICIENT W24 [KG/(M ² ·H0.5)] (EN ISO 1062/3):	0.08
BOND STRENGTH TO CONCRETE (N/MM ²):	3.50
PREPARATION : TNS WHITE BASE COAT IS APPLIED AS IS OR DILUTED WITH 5-15% OF WATER ACCORDING TO THE APPLICATION METHOD USED	
READY FOR PAINTING OVER:	12-24 HOURS UNDER NORMAL CONDITIONS OF TEMPERATURE AND HUMIDITY

TNS FINISH 1.3.4

Coloured acrylic resin-based coating product in water dispersion with selected fillers for indoor and outdoor, tennis courts and multi-purpose playing surfaces, certified by the ITF (International Tennis Federation)

APPEARANCE	THICK LIQUID
DRY SOLIDS CONTENT (%):	70
DENSITY (G/CM ³):	APPROX. 1.40
VISCOSITY OF PRODUCT (MPA·S):	19,000 ± 1,000
DAMP ABRASION DIN 53778 (CYCLES):	> 15,000
TABER ABRASION TEST AFTER 7 DAYS AT +23°C - 50% R.H. - H22 DISK, 500 REVS/1,000 G (LOSS IN WEIGHT):	2.8 G (6%)
TABER ABRASION TEST AFTER 7 DAYS AT +23°C - 50% R.H. - CS17 DISK, 1,000 REVS (LOSS IN WEIGHT):	< 0.1 G AFTER 1000 REVS (MAPECOAT TNS FINISH 1) < 0.2 G AFTER 500 REVS (MAPECOAT TNS FINISH 3) < 0.2 G AFTER 500 REVS (MAPECOAT TNS FINISH 4)
SHORE A HARDNESS:	60
TENSILE STRENGTH (DIN 53504) - AFTER 7 DAYS AT +23°C (N/MM ²):	0.7 (MAPECOAT TNS FINISH 1) 0.5 (MAPECOAT TNS FINISH 3) 0.5 (MAPECOAT TNS FINISH 4)
ELONGATION AT FAILURE (DIN 53504) - AFTER 7 DAYS AT +23°C (%):	140 (MAPECOAT TNS FINISH 1) 115 (MAPECOAT TNS FINISH 3) 115 (MAPECOAT TNS FINISH 4)
CHANGE IN COLOUR AFTER 1,000 HOURS EXPOSURE TO A WEATHER-OMETER (ACCORDING TO ASTM G 155 CYCLE 1): - BLUE: - GREEN: - SKY BLUE: - RED: - WHITE:	$\Delta E < 0.8$ $\Delta E < 0.5$ $\Delta E < 0.5$ $\Delta E < 0.5$ $\Delta E < 0.5$
VAPOUR DIFFUSION RESISTANCE COEFFICIENT (M) (UNI EN ISO 7783):	250 (MAPECOAT TNS FINISH 1) 800 (MAPECOAT TNS FINISH 3) 950 (MAPECOAT TNS FINISH 4)
RESISTANCE TO THE PASSAGE OF VAPOUR FOR A 0.5 MM THICK DRY LAYER SD (M) (UNI EN ISO 7783):	0.12 (MAPECOAT TNS FINISH 1) 0.40 (MAPECOAT TNS FINISH 3) 0.47 (MAPECOAT TNS FINISH 4)
CAPILLARY ACTION WATER ABSORPTION COEFFICIENT W24 [KG/(M ² H0.5)] (UNI EN 1062-3):	0.09 (MAPECOAT TNS FINISH 1) 0.04 (MAPECOAT TNS FINISH 3) 0.02 (MAPECOAT TNS FINISH 4)
PREPARATION : DILUTE MAPECOAT TNS FINISH 1.3.4 WITH APPROXIMATELY 10-15% OF WATER. MIX THE PRODUCT THOROUGHLY BEFORE USE. WHERE POSSIBLE USE A VARIABLE SPEED DRILL AT LOW SPEED AND AVOID ENTRAINING AIR INTO THE PRODUCT.	
WAITING TIME BEFORE RE-COATING:	24 HOURS UNDER NORMAL CONDITIONS OF TEMPERATURE AND HUMIDITY

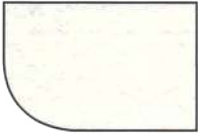
TNS LINE

Acrylic resin-based paint in water dispersion for marking out indoor and outdoor sports courts and pitches

APPEARANCE	PASTY LIQUID
DRY SOLIDS CONTENT (%):	APPROX. 65
DENSITY (G/CM ³):	APPROX. 1.40
VISCOSITY OF PRODUCT (MPA·S):	22,000 ± 1,000
DAMP ABRASION DIN 53778 (CYCLES):	> 10,000
TABER ABRASION TEST AFTER 7 DAYS AT +23°C - 50% R.H. - CS17 DISK, WEIGHT 1000 G; LOSS IN WEIGHT AFTER 500 REVS. (G):	< 0.3
CHANGE IN COLOUR AFTER 1,000 HOURS EXPOSURE TO A WEATHER-OMETER (ACCORDING TO ASTM G 155 CYCLE 1) - WHITE: - YELLOW:	$\Delta E < 0.5$ $\Delta E < 1.0$
CAPILLARY ACTION WATER ABSORPTION COEFFICIENT W24 [KG/(M ² H0.5)] (UNI EN 1062/3):	0.07
PREPARATION : DILUTE MAPECOAT TNS LINE WITH APPROXIMATELY 10-15% WATER. MIX THE PRODUCT WELL BEFORE USE. WHERE POSSIBLE, USE A DRILL AT LOW SPEED TO PREVENT ENTRAPMENT AIR INTO THE PRODUCT	
WAITING TIME BEFORE RE-COATING:	12-24 HOURS UNDER NORMAL CONDITIONS OF TEMPERATURE AND HUMIDITY

COLOUR CHART

WHITE
TNS 0



LIGHT GREY
TNS 1



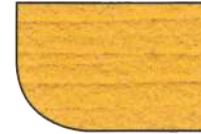
DARK GREY
TNS 2



YELLOW
TNS 3



SUNSHINE YELLOW
TNS 4



OCRA
TNS 5



BROWN
TNS 6



LIGHT PINK
TNS 7



POWDER PINK
TNS 8



ORANGE
TNS 9



RED
TNS 10



LILAC
TNS 11



VIOLET
TNS 12



TURQUOISE
TNS 13



LIGHT BLUE
TNS 14



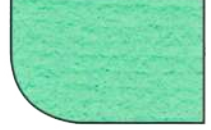
SEA BLUE
TNS 15



DARK BLUE
TNS 16



SEA GREEN
TNS 17



LIGHT GREEN
TNS 18



APPLE GREEN
TNS 19



DARK GREEN
TNS 20



FOREST GREEN
TNS 21



NIGHT BLUE
TNS 22



LIGHT RED
TNS 23



SWISS RED
TNS 24



BLACK
TNS 25



CANYON BROWN
TNS 26



PINK
TNS 27



MELBOURNE BLUE
TNS 28



NEW YORK BLUE
TNS 29



LONDON GREEN
TNS 30



MIAMI PURPLE
TNS 31



PARIS RED
TNS 32



RIO GREEN
TNS 33



ARENA YELLOW
TNS 34



SYDNEY BLUE
TNS 35



The colours illustrated are indicative only and may vary due to printing limitations.