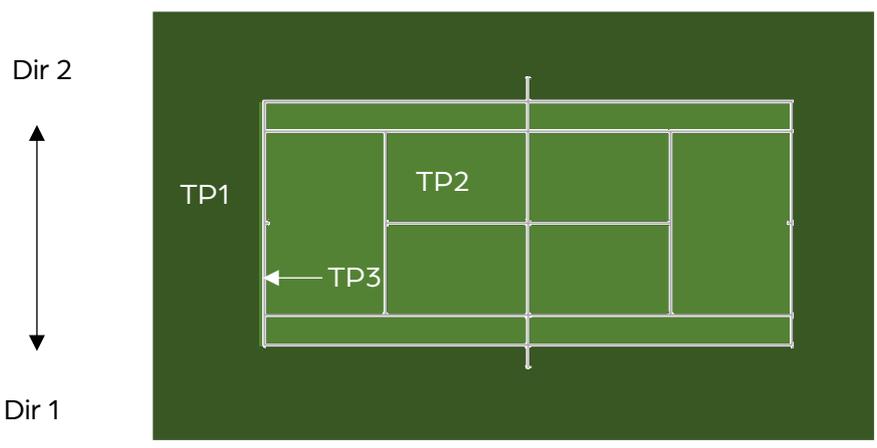


Measurements of slip resistance – test report

Court location	Godalming LTC, Godalming, Surrey		
Playing surface	Painted porous macadam		
Relevant standard & requirements	Lawn Tennis Association / SAPCA Code of Practice for the Construction and Maintenance of Tennis Courts		
Test method	BS EN 16837: Surfaces for sports areas – Determination of linear shoe/ surface friction		
Test equipment calibration date	22/11/2021		
Date of test	30/12/2021		
Ambient temperature	11.1°C	Ambient humidity	67 % RH
Test conditions	As found	The prevailing conditions at the time of test. Dry / Drying	
	Wet	Water was applied to the test area using a fine water spray, so the area was thoroughly wetted immediately prior to the test.	
Report date	03/12/2021		
<u>Test positions</u>			
			

In each test position five measurements are made in each direction and the mean value for each calculated. From these two values an overall mean is calculated.

The following results were obtained:

Court	Condition		TP1		TP2		TP3	
			Dir 1	Dir 2	Dir 1	Dir 2	Dir 1	Dir 2
3	Dry		83	80	79	76	74	73
		Mean	81		77		73	
	Wet		68	69	69	72	65	64
		Mean	68		70		64	
4	Dry		90	88	92	92	81	81
		Mean	89		92		81	
	Wet		68	66	68	65	63	63
		Mean	67		65		63	
5	Dry		80	77	79	77	70	72
		Mean	78		78		71	
	Wet		63	62	65	64	62	63
		Mean	62		64		62	

Conclusions

The construction standard applicable to these courts specifies a minimum slip resistance value of:

60

At the time of test the courts were found to comply with the requirements of the construction standard applicable to these courts.

Report prepared by A L Cox



Court inspection

Iron pyrite rust staining



Rust-like brown staining was observed on many of the white line markings; it may also be present on the green court sections, but not be as visible at this time. The staining has been caused by pyrite (iron sulphide) mineral intrusions that are found in many naturally occurring geological rock deposits.

Often pyrite contamination of this type is not discernible in an aggregate stockpile by visual examination and while every effort is made by the macadam producer to limit the risk, it is not possible to guarantee any source is free from these naturally occurring trace mineral elements

The pyrite will not normally affect the structural integrity of the macadam mix mixture, but can have a visual impact as it oxidises. At least one product is on the market that has been developed to inhibit the visual effect of the mineral oxidation. Whilst it is understood that this

can be applied by brush, it should be noted that the coating will provide a low level of grip and that the lines should be remarked after the application of the inhibitor. Details of the product are attached to this report.

Macadam bay joints



The club has reported concerns about the joints between the macadam bays being proud.

The joints were assessed using a straightedge in accordance with LTA/SAPCA standards. All of the bay joints were found to be within the permitted construction tolerance (max of 6 mm).

It was noted that the texture of the playing surface varied between the bays. This is probably due to the macadam being produced in different batches or being laid on different days.

Such variations are a feature of porous macadam playing surfaces, due to the way the macadam is produced and laid.

IRON STAIN INHIBITING BINDER

Water based iron stain inhibiting binder

PERFORMANCE ADVANTAGES

- > Iron Stain Inhibiting Binder
- > Effective neutraliser of Iron Pyrities staining
- > Inhibits further Iron staining
- > Safe to use, environmentally friendly
- > Single Pack
- > Binds the court surface to help it last longer

Because this binder does not have a non slip finish, it must be overcoated with Decatone Tennis Court Paint.

USES

For binding and inhibiting Iron Pyrities staining which has occurred on old/new coated macadam tennis courts/multi-sport areas after colour coating.

- > For airless spray application.
- > Can be Roller or brush applied to smaller areas

COLOUR RANGE

- > Milky White appearance, dries translucent.

PACK SIZE

- > 20 litre re-sealable plastic containers.

SPREADING RATE

- As a general guide apply at a coating rate of:
- > 5m²/lt - ie 5-6 x 20lts for a Typical Tennis Court.



DRYING TIME

Under ambient conditions between 1-2 hours at the recommended spreading rate. Where a thicker film is applied the drying could be 2-3 hours, depending on temperature and humidity and time of the year. (recommended use March to September only).

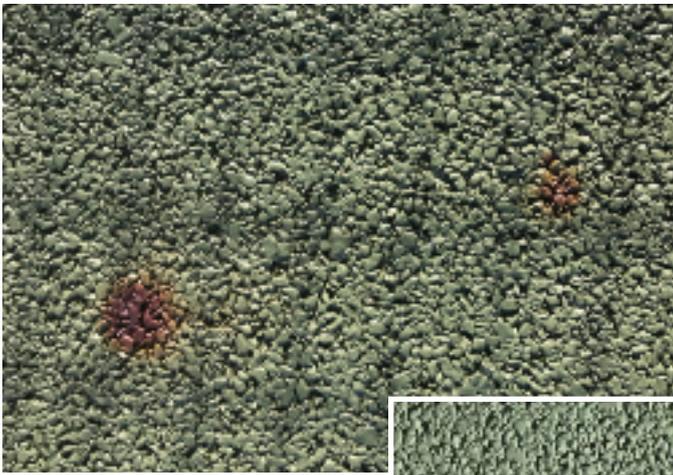
SHELF LIFE

- > Up to 12 months if stored correctly in an unopened container.
- > Store above 5°C.

PREPARATION OF SUBSTRATE

Old surfaces contaminated by the Iron Pyrites staining must be clean, dry and free from moss, dirt, grease and vegetative growth. Vacuum or pressure blasting with water may remove any debris. Brushing (manual or machine) may be suitable. Loose stones lying on the surface have to be removed. Any repairs to the surface must be done prior to application.

New surfaces should be left to oxidise for at least 3 weeks in summer and up to 3 months during winter before applying the Iron Stain Inhibiting Binder.



Before application



Applied Inhibiting Binder



Colour coated

APPLICATION

- > **STIR WELL BEFORE USE AS PIGMENTS USED CAN SEPARATE WITH TIME**
- > Do not apply below 5°C.
- > Application by airless spray for best results in one coat.
- > Tip size in the range of 12 thou – 15 thou are recommended.
- > Do not apply if the surface is damp.
- > Can be re-coated when dry or within a week of application.

COLOUR COATING

- > See separate product data sheet on Decatone SR60 to complete the process.

CLEANING

- > Clean all equipment with water after use.

PRECAUTIONS

- > Keep out of reach of children.
- > Protect from frost.
- > In case of contact with eyes wash immediately with plenty of water.
- > Remove splashes from skin with soap and water or a recognised hand cleaner.
- > Do not apply paint if there is a risk of heavy rain or frost.
- > Do not use near fishponds.

The specification and coverage rates are given in good faith and are based on our experience and knowledge but without liability.

As Britannia Paints Limited has no direct control over the methods employed by the user in applying its products, any warranty either written or implied is given in good faith and can only cover the material itself.

If in doubt regarding any of the above points, please contact our technical services department for advice.

A Material Safety Data Sheet is available on request.

It is the users responsibility to ensure that this data sheet is current prior to using the product.



Certificate Number 8516
ISO 9001



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