

TEST REPORT

Technical evaluation of tennis courts surfaces

Tests performed according to ASTM F3189 Standard

Report Number R18195CAN-B1

Courts

Willowheights Park,
Markham, ON

Unionville Tennis Club,
Unionville, ON

Berczy Park North,
Markham, ON

Client

Richard Phelan,
Court Contractors Ltd.

Date


June 15th, 2018

This report contains 4 pages in total. It replaces and cancels report R18195CAN-A1 of June 1st, 2018, please delete the previous document. Reproduction of this report is authorized only in its entire form. Results reported are valid only for the products tested. To declare the conformity (or not), the uncertainty of the results was not taken into account. Detailed results are available on request.


LABOSPORT, THE WORLD LEADING SPORTS SURFACES EXPERT

INFORMATION


Location 1			
Installation	Willowheights Park, Markham, ON		
Product installed	<i>Information not provided</i>		
Installer	<i>Information not provided</i>		
Declared thickness	<i>Information not provided</i>		
Date of installation	<i>Information not provided</i>		
Date of test	May 30 th , 2018		
Temperature (°C)	23	Humidity (%)	55



Location 2			
Installation	Unionville Tennis Club, Unionville, ON		
Product installed	<i>Information not provided</i>		
Installer	<i>Information not provided</i>		
Declared thickness	<i>Information not provided</i>		
Date of installation	<i>Information not provided</i>		
Date of test	May 30 th , 2018		
Temperature (°C)	27	Humidity (%)	56



Location 3			
Installation	Berczy Park North, Markham, ON		
Product installed	<i>Information not provided</i>		
Manufacturer	<i>Information not provided</i>		
Declared thickness	<i>Information not provided</i>		
Date of installation	<i>Information not provided</i>		
Date of test	May 30 th , 2018		
Temperature (°C)	29	Humidity (%)	56



RESULTS

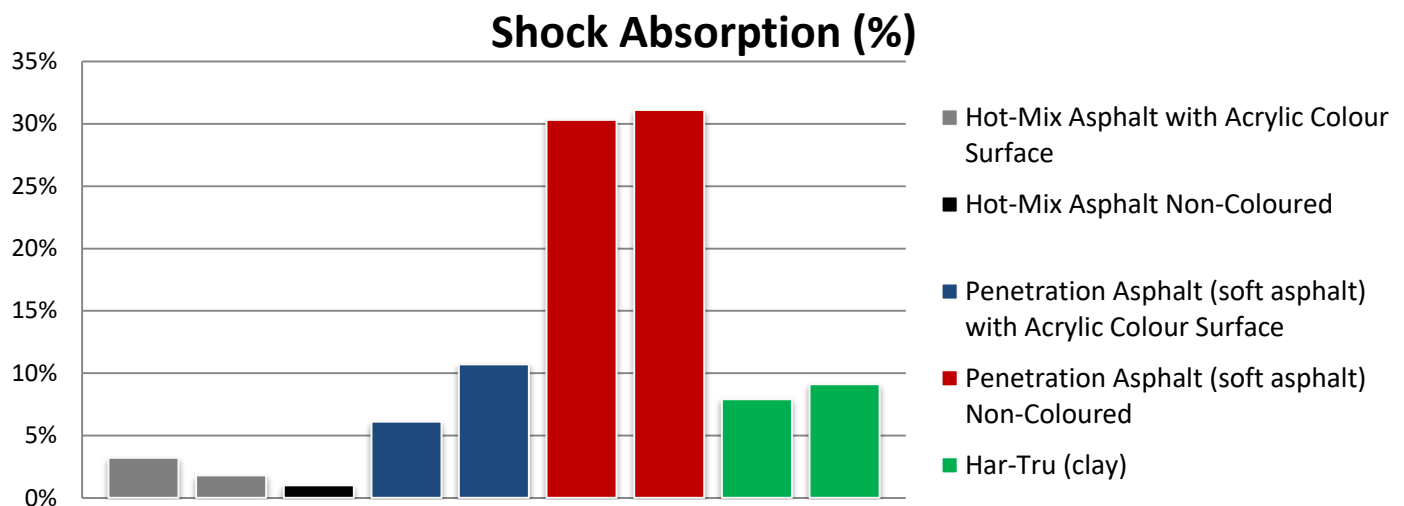
Location	Type of surface	Property		
		Shock Absorption	Vertical Deformation	Energy Restitution
Willowheights Park	Hot-Mix Asphalt with Acrylic Colour Surface	3.2 %	0.2 mm	87.3 %
	Hot-Mix Asphalt with Acrylic Colour Surface	1.8 %	0.2 mm	89.4 %
	Hot-Mix Asphalt Non-Coloured	1.0 %	0.2 mm	88.2 %
Unionville Tennis Club	Har-Tru (clay)	7.9 %	0.5 mm	80.4 %
	Har-Tru (clay)	9.1 %	0.5 mm	77.9 %
	Penetration (soft) Asphalt + Acrylic Colour Surface	6.1 %	0.4 mm	80.6 %
	Penetration (soft) Asphalt + Acrylic Colour Surface	10.7 %	0.7 mm	74.1 %
Berczy Park North	Penetration Asphalt (soft asphalt) Non-Coloured	30.3 %	1.8 mm	42.6 %
	Penetration Asphalt (soft asphalt) Non-Coloured	31.1 %	1.9 mm	40.0 %

Comments:

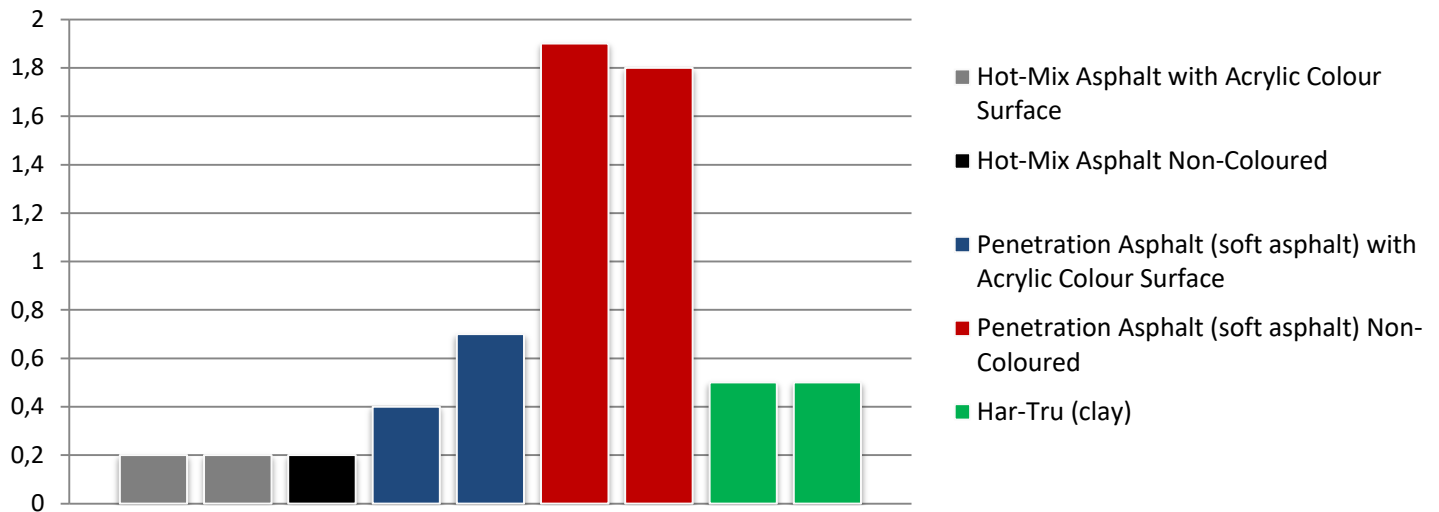
A surface that gives low shock absorption and vertical deformation values is most likely considered a harder surface than one with opposite performances.

Of all surfaces tested, those at Location 3 (*Berczy Park North*) showed the highest shock absorption and vertical deformation values, and the lowest values were obtained on Location 1 surfaces (*Willowheights Park*).

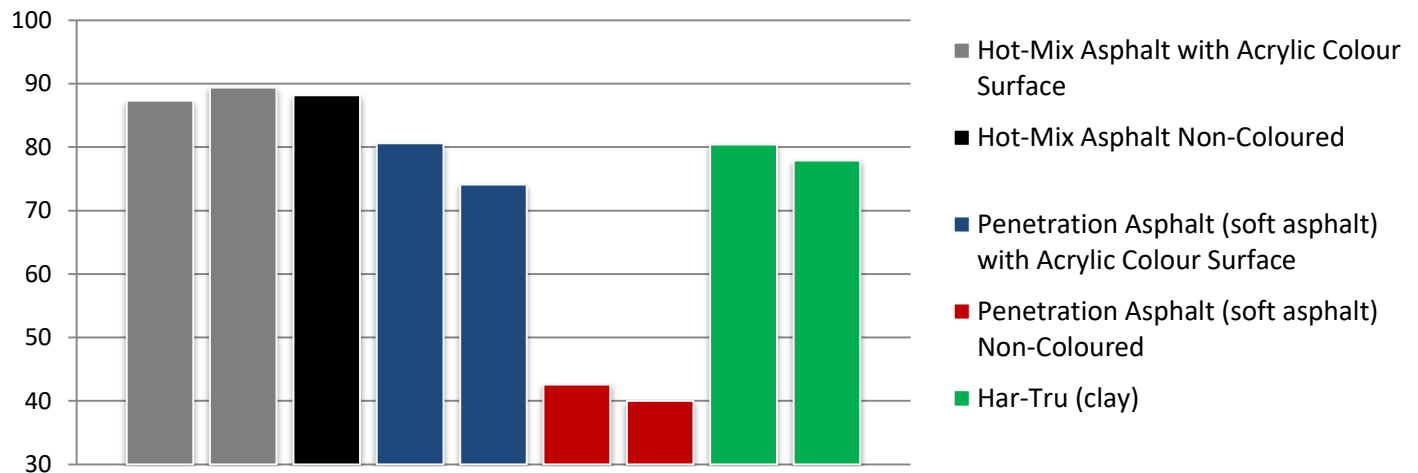
GRAPHIC REPRESENTATION



Vertical Deformation (mm)



Energy Restitution (%)



REPORTED BY

Joris Delage
(Laboratory Technician) - Writer

Thomas Amadei, T.P.
(Laboratory Manager) - Approver