



## 2022 SAUDI ARABIAN GRAND PRIX

24 - 27 March 2022

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<b>From</b>	The FIA Formula One Race Director	<b>Document</b>	5
<b>To</b>	All Teams, All Officials	<b>Date</b>	24 March 2022
		<b>Time</b>	12:00

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<b>Title</b>	Pirelli Preview
<b>Description</b>	Pirelli Preview
<b>Enclosed</b>	KSA DOC 5 - Pirelli Preview.pdf

**Niels Wittich**

**The FIA Formula One Race Director**



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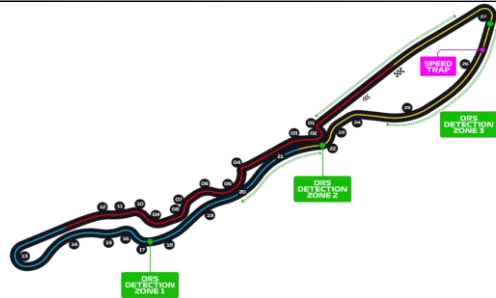
## Pirelli Preview

Please find enclosed the Pirelli Preview for this event.

Niels Wittich

FIA Formula One Race Director

**Grand Prix of Saudi Arabia 25/03-27/03/2022 (22R02JED)**



**Compounds selection**

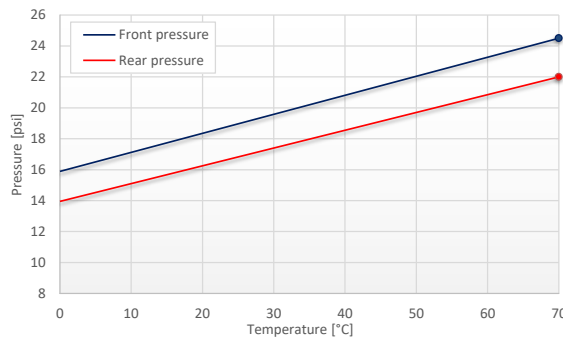
Compound	FL	FR	RL	RR	Mandatory race tyres
<b>C2</b>	2X1	2X2	2X3	2X4	<b>C2</b>
<b>C3</b>	3G1	3G2	3G3	3G4	<b>C3</b>
<b>C4</b>	4Z1	4Z2	4Z3	4Z4	<b>Q3 tyre</b>
<b>Intermediate</b>	9G1	9G2	9G3	9G4	<b>C4</b>
<b>Wet</b>	95B	96B	97B	98B	

**Prescriptions**

**Pressures & camber**

	Minimum starting pressure			Expected stabilized running pressure	Camber limit
	Slicks	Intermediate	Wet		
Front	24.5 psi	24.5 psi	23.5 psi	≥26.5 psi	-3.25°
Rear	22.0 psi	22.0 psi	21.0 psi	≥24.0 psi	-2.00°

**Cold Pressure Cooling Curve**



$$P_{front} = (T - 70) \cdot 0.123 + P_{startf}$$

$$P_{rear} = (T - 70) \cdot 0.115 + P_{startr}$$

$P_{startf}$ : Minimum starting pressure on the front axle [psi]

$P_{startr}$ : Minimum starting pressure on the rear axle [psi]

$T$ : Tyre temperature [°C]

**Maximum heating times and temperatures (tread & sidewall)**

Temperature	0	40	60	70 (°C)
Slicks	max. 3h			
Intermediate	max. 2h			
Wet	max. 2h			

- Temperatures refer to tyre tread and side wall temperatures, not blanket or controller set-point temperatures.
- Tyres may only be heated prior to the session in which they are intended to be used.
- The temperatures apply at all times during the event.

**Tyres notes**

<ul style="list-style-type: none"> <li>• Not permitted to switch tyres from their originally allocated position.</li> <li>• Do not subject tyres to large deformation or heavy impact.</li> <li>• Do not leave fitted tyres exposed at an air temperature lower than 15°C and/or any UV emission.</li> <li>• Revised prescriptions could be issued during the race weekend in accordance with TD003.</li> </ul>	<ul style="list-style-type: none"> <li>• Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003</li> <li>• Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in TD003</li> <li>• BLANKET HEATING TIME for each temperature range to be counted from the moment the blanket control unit is set to reach its targeted temperature within its correspondent interval.</li> </ul>
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**General notes**

<p>Teams are kindly reminded that the following will be subject to FIA checks during the event:</p> <ul style="list-style-type: none"> <li>• Starting pressures</li> <li>• Cold pressures (according to the cold pressure cooling curves)</li> <li>• Re-heat pressures</li> <li>• EOS Camber</li> <li>• Maximum tyre temperatures in blankets</li> <li>• Tyre swapping</li> </ul>
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