



2023 SPANISH GRAND PRIX

02 - 04 June 2023

From	The FIA Formula One Race Director	Document	1
To	All Teams, All Officials	Date	31 May 2023
		Time	12:30

Title Event Notes - Pirelli Preview

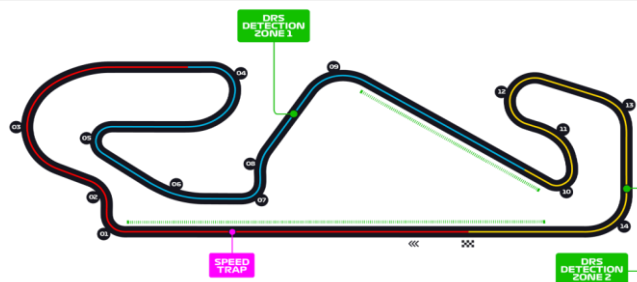
Description Pirelli Preview

Enclosed ESP DOC 1 - Pirelli Preview.pdf

Niels Wittich

The FIA Formula One Race Director

Grand Prix of Spain 02/06-04/06/2023 (23R08BCN)



Compounds selection

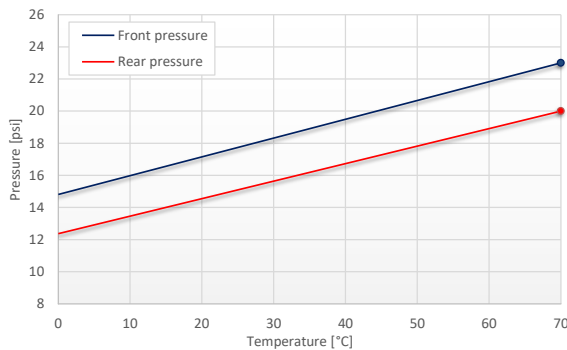
Compound	FL	FR	RL	RR	Mandatory race tyres
C1	1K1	1K2	1K3	1K4	C1
C2	2L1	2L2	2L3	2L4	C2
C3	3N1	3N2	3N3	3N4	C3
Prototype	1T1	1T2	1T3	1T4	Q3 tyre
Intermediate	9G1	9G2	9G3	9G4	C3
Wet	95R	96R	97R	98R	

Prescriptions

Pressures & camber

	Minimum starting pressure				Expected stabilized running pressure	Camber limit
	Prototype	Slicks	Intermediate	Wet		
Front	23.0 psi	23.0 psi	23.5 psi	21.0 psi	≥25.5 psi	-3.25°
Rear	20.0 psi	20.0 psi	20.5 psi	18.0 psi	≥22.5 psi	-1.75°

Cold Pressure Cooling Curve



$$P_{front} = (T - 70) \cdot 0.117 + P_{startf}$$

$$P_{rear} = (T - 70) \cdot 0.109 + P_{startr}$$

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	60	70 (°C)
Slicks	max. 2h		
Intermediate	max. 2h		
Wet	No blankets allowed		

- 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"> • Not permitted to switch tyres from their originally allocated position. • Do not subject tyres to large deformation or heavy impact. • Do not leave fitted tyres exposed at an air temperature lower than 10°C and/or any excessive UV emission. • Revised prescriptions could be issued during the race weekend in accordance with TD003. 	<ul style="list-style-type: none"> • Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003 • Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in TD003 • 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.
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General notes

Teams are kindly reminded that the following will be subject to FIA checks during the event:

- Starting pressures
- Cold pressures (according to the cold pressure cooling curves)
- Re-heat pressures
- EOS Camber
- Maximum tyre temperatures and times in blankets
- Tyre swapping