

中華民國田徑協會國家級 400 公尺標準田徑場跑道面層規範 暨認可實驗室

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一、**面層厚度**：跑道於建造完成時，面層厚度須均勻一致，跑道面層(含半圓區)絕對厚度不可少於 13mm，加顆粒須為 $\geq 15\text{mm}$ ；另須要加厚的區域其詳細規定如下：(場地手冊 P.90)

項次	加厚區	厚度	範圍(長度)
1	三級跳遠助跑道	20 mm	助跑道之最後 13m
2	跳高起跳區	20 mm	助跑道之最後 3m
3	撐竿跳助跑道	20 mm	助跑道之最後 8m
4	標槍助跑道	20 mm	助跑道之最後 8m 及投擲弧線前區域
5	障礙賽池底斜面	25 mm	全面：水坑落地處

二、**面層測試**：田徑場跑道材質進場後，經由「廠商」、「業主代表」會同「建築師事務所相關人員」三方面，至現場隨機抽樣，送世界田徑總會認可之實驗室做測試，測試結果須達下列材質標準，方為合格之產品。(詳細辦法依據最新世界田徑總會場地設施手冊)

測試項目	測試方法 (DIN 18035 Part 6)	世界田徑總會所規定之 跑道材質標準
絕對厚度(場地手冊 P.95)	設施手冊 3.1.3.3	13 mm
吸震力 Shock Absorption	設施手冊 3.1.3.4	35% ~ 50 % (10°C~40°C)
垂直形變 Vertical Deformation	設施手冊 3.1.3.5	0.6mm~2.5mm (10°C~40°C)
摩擦力 Friction	設施手冊 3.1.3.6	≥ 47
抗拉強度 Tensile Strength	設施手冊 3.1.3.7	$\geq 0.5 \text{ N/mm}^2$
伸長形變 Elongation at Break	設施手冊 3.1.3.7	$\geq 40 \%$

三、**跑道顏色**：場地手冊 P.92-P.93。田徑場面層顏色由於天氣的原因發生改變，其顏色也應該是一致的。

四、排水系統：場地手冊 P.93。場地完全浸滿水後允許 20min 排水。

五、平整度：場地手冊 P.89。跑道面層，傾斜度在一個水平位置應該沒有起伏，在任何位置和任何方向上，在 4m 直尺下最多 6mm，或者 1m 直尺下最多 3mm。

六、認可之實驗室：跑道面層須經過世界田徑總會認可之任一實驗室做測試，且所有測試過程(方法)應依照世界田徑總會規定進行。世界田徑總會認可之最新跑道面層實驗室如下：

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(資料來源：WA ACCREDITED LABORATORIES FOR TESTING TRACK AND RUNWAY
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