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SWI007: Squash Plaster Working Instructions 7 - Hot Climates

Armourcoat (ASF) QA Rules For Plastering Armourcoat White Squash Court Plaster In Hot Climates

1 Introduction

NOTE

If the applicator chooses to plaster in hot dry working conditions, he will do so at his own risk.

Armourcoat Squash Court Plaster should be applied in the temperature range of 5oC and rising to 23oC, with relative humidity (RH) between 60-65%. Where temperature and/or humidity is greater, air conditioning should be in place and working before work starts. Alternatively use portable air conditioning units during the course of the works.

2 Extreme Conditions Damage Plaster

Armourcoat Squash Court Plaster should never be applied if the temperature of the structure and air temperature is above 23 °C.

3 Application at temperatures 21°C/23°C

Armourcoat QA Working Instructions, Ref: SWI1, are valid, with minor variations, for all climatic conditions. In hot, dry climates, pay attention to the following:

1. Wet substrates with clean water to near saturation to a depth of 25 mm. Several wettings will be required. A modest suction should be present when wet plaster is applied so allow a wetted wall to stand for 5-10 minutes, before plastering, to restore suction. Avoid resin primers to prevent suction, as rapid water loss through evaporation weakens the plaster. With a soaked background, moisture held in the basecoat will enable full chemical setting processes to proceed.
2. Maintain Relative Humidity (RH) in the court at 60-65% only. If the wooden floor is not laid, wetting the concrete base will raise humidity. Mist spraying the space will help, but take regular humidity readings to ensure 60-65% RH.
3. Apply Basecoat Plaster and Topcoat Plaster as a near continuous operation, ie as soon as the Basecoat is set firm. Apply the top coat.

All other practical rules of plaster application, including wet-on-wet, application, apply.

4 Additional Literature

DOCUMENT	REF
Armourcoat Racket Sports Brochure	ARB
Squash Plaster Working Instructions New Build (White Plaster) and Re-plastering	SWI1
Squash Plaster Working Instructions (Repairs) (White Plaster)	SWI2
Squash Plaster Working Instructions (Overcoating System) (White Plaster)	SWI3
Squash Plaster Working Instructions (Four Hour Repairs) (White Plaster)	SWI4
Squash Plaster Working Instructions (Armourcolor)	SWI5
Squash Plaster Working Instructions for Armourcolor Overcoating System	SWI6
Armourcoat QA Advice Sheet on Plastering in Hot Climates (White Plaster)	SWI7

Armourcoat QA Advice Sheet on Cleaning Squash Court Plaster

SWI8

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