



Case Study

Barracks Hampshire

Flooring and Concrete Repair & Protection

Sika Products:	Sikafloor®, Sika® MonoTop®, Sika® Rapid Repair Mortar
Client:	Ministry of Defence
Specifier:	Stephens Cox Associates Limited
Contractor:	Brymore
Sub Contractor:	Structural Renovations

Tidworth barracks were originally constructed in 1905. There was an external walkway/balcony which required waterproofing due to the underside having spalled concrete.



Barracks, Hampshire

Sika provided Sika® Rapid Repair Mortar along with Sika® MonoTop® 620 and Sikafloor® 400N to repair, protect and waterproof the damaged areas. Thus giving the structure at least another 50 years of service.

Sika® Rapid Repair Mortar

Traditionally the localised repair of concrete damage and defects has been undertaken using hand-placed repair mortars. Sika provides an extensive range of pre-batched, hand-applied repair mortars for general repair purposes and also for very specific repair purposes. These include lightweight mortars for overhead application and chemically resistant materials to protect against aggressive gases and chemicals.

Sika® Rapid Repair Mortar is a one component fast setting cementitious repair mortar, meeting the requirements of Class R4 of BS EN 1504-3.

Uses:

For repairing all types of structures

- Horizontal and vertical repairs
- Hand applied repairs
- Floor slabs and car park decks
- For exterior and interior use
- In place of R1, R2 & R3 mortars

Characteristics/ Advantages:

- Pre-bagged for quality
- Just add water
- High early strength
- Rapid setting
- Contains no chloride admixtures
- Non corrosive to steel
- Can be overcoated



References

Cwmbran Stadium – Stadiums
Gatwick Airport South Terminal – Airports
BMW Swindon – Automobil Industry
Wembley Central - Car Park
Ironbridge Power Station – Cooling Tower

Land Registers Office – Office Buildings
Embankment – Footpaths
Anopol – Metals & Forging
Gilbert House – Traditional Housing



For further information or to discuss your project requirements
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