



## **Addition Sheet**

### **Protec System**

## **Paving Slabs Bonded with Cementitious Mortar**

**Please note that this is an outline specification only and may be subject to further site investigation by Polyroof Products Ltd Technical Department.**

# 1. Paving Slabs Bonded with Cementitious Mortar

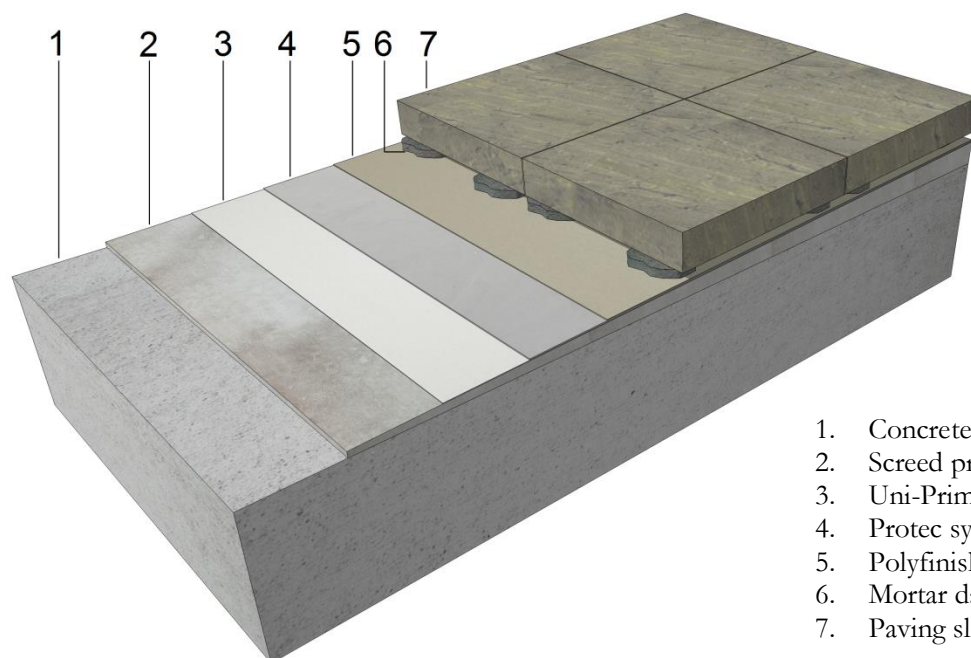
## 1.1. Introduction

Polyroof's usual recommendation would be to install paving slabs on a proprietary support system (such as CARO Supports). If it is necessary to bond the slabs using a cementitious mortar then additional protection will be required to protect the Protec membrane from caustic attack. This document outlines Polyroof's recommendation for bonding paving slabs with cementitious mortar and should be read in conjunction with a Protec system outline specification and relevant CAD details.

### Important Notes:

- **This construction relies on a minimum 1 in 80 fall provided beneath the waterproofing membrane. If this cannot be achieved then Polyroof Technical Services must be consulted and an alternative specification may be required.**
- Prior to the installation of the paving slabs the contractor should ensure that Polyroof Products Limited Technical Services are contacted and given the opportunity to inspect the membrane before it is covered.
- It may be prudent for the client to arrange for water integrity tests to be carried out prior to installing the slabs. Please consult a WITA (Water Integrity Test Association) member for further guidance if required.
- Please note that should an inspection of the Protec system ever be required in the future it would be the client's responsibility to remove the paving slabs back to the membrane.

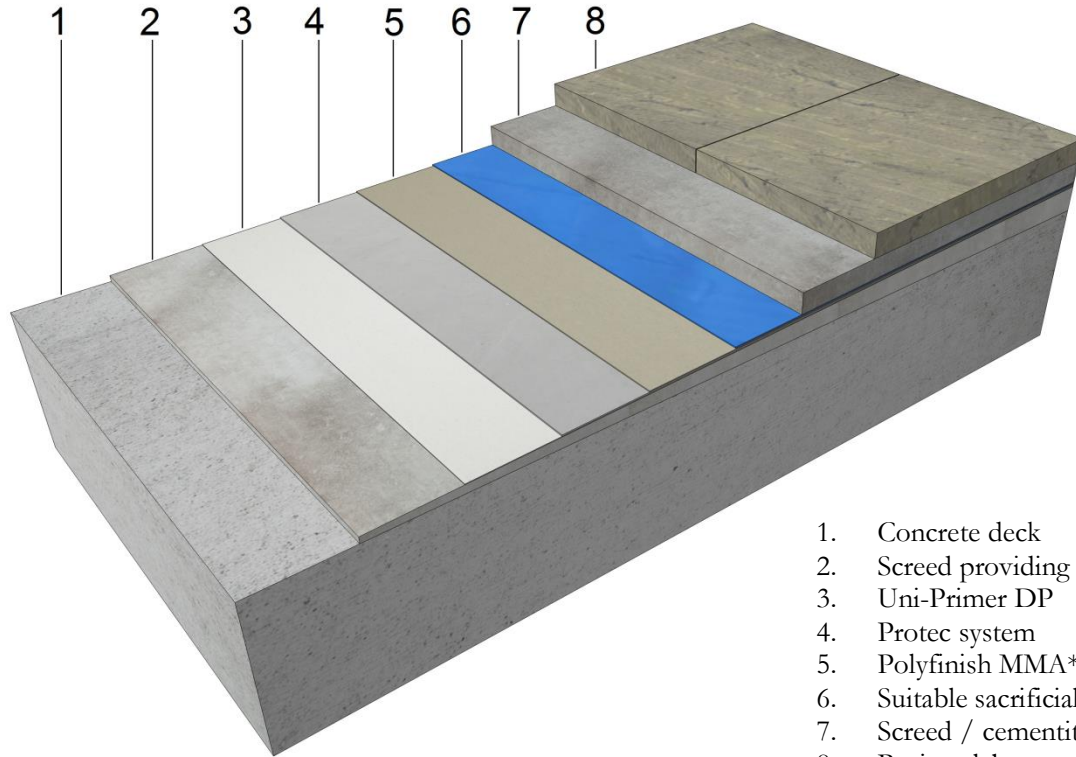
## 1.2. Option 1 – Paving Slabs Installed on Mortar Dabs



1. Concrete deck
2. Screed providing min. 1 in 80 fall
3. Uni-Primer DP
4. Protec system
5. Polyfinish MMA\*
6. Mortar dabs
7. Paving slabs

\* Prior to applying the Polyfinish MMA resin, the Protec membrane must be wiped with acetone. Once dry, apply one overall coat of catalysed Polyfinish resin at a coverage rate of 0.5Litres/m<sup>2</sup> (2.0m<sup>2</sup>/Litre) to the whole area and lightly roller to provide a final surface finish. Allow to cure.

### 1.3. Option 2 – Paving Slabs Fully Bedded



1. Concrete deck
2. Screed providing min. 1 in 80 fall
3. Uni-Primer DP
4. Protec system
5. Polyfinish MMA\*
6. Suitable sacrificial layer\*\*
7. Screed / cementitious bed
8. Paving slabs

\* Prior to applying the Polyfinish MMA resin, the Protec membrane must be wiped with acetone. Once dry, apply one overall coat of catalysed Polyfinish resin at a coverage rate of 0.5Litres/m<sup>2</sup> (2.0m<sup>2</sup>/Litre) to the whole area and lightly roller to provide a final surface finish. Allow to cure.

\*\* An example of a suitable sacrificial layer would be visqueen installed and fully taped in accordance with the manufacturer's recommendations.