

A comparative study of the different screed structures

	Bonded Screed	Unbonded Screed	Floating Screed	Screed over Underfloor Heating
Preparation of the base slab by way of scabbling, shot blasting, grinding.	Required. This is done to expose the aggregate in the base to achieve a direct bond with the screed.	Not required	Not required	Not required
Removal of dust, debris and contaminants such as oil and grease.	Required. This is done to ensure the surface is clean.	Required	Required	Required
Slurry bonding agent	Required	Not required	Not required	Not required
Installation of polythene layer	Not Required	Required	Required	Required
Insulation / Acoustic Layer	Not Required	Not required	Required	Required
Application of perimeter strip foam to all external perimeters and any penetrations through the surface, such as columns, raised man holes, electrical sockets, etc.	Recommended but not required under BS8204 1 2003 & A1 2009	Required	Required	Required
Reinforcement of day joints in the case of cementitious screeds	Not required but recommended for good practice	Required	Required	Required