

Project:

Gloucestershire Royal Hospital
Lobby

Location:

Gloucester

Owner/s:

Gloucester NHS Trust

Applicator/Contractor:

Central Flooring Services Ltd

Market sector:

Commercial Flooring

Products used:

MasterEmaco T 1100 TIX
MasterTop 1324

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Gloucestershire Royal Hospital, Gloucester

Aesthetic flooring solution for heavily trafficked hospital lobby



Our reference in Gloucester, United Kingdom: Gloucestershire Royal Hospital

The background

Gloucestershire Royal Hospital was built 45 years ago as a fully functioning, multi-discipline hospital. It is a highly used, busy hub for patients, staff and visitors.

As with many hospitals, the majority of the flooring is vinyl, which brings the inherent problems, such as debonding and lifting, causing numerous problems for all, particularly with regard to health and safety and hygiene management.

The lobby, a vital walkway through the hospital, was one particularly problematic area. Due to the heavy traffic, the vinyl was debonding from the latex screed subfloor, causing trip hazards across the area.

The challenge

It was important for all parties that a suitable flooring system was found that would resist the heavy traffic, remain aesthetically pleasing throughout its life and be easily cleanable, with minimal downtime of this vital service area.

It was clear that the existing system was not working, with the vinyl covering frequently debonding from the latex screed underneath. This meant that a monolithically bound system would be required in order to remove this constant maintenance item from the hospital.

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Our solution

All of the original flooring, including the latex screed, had to be removed, due to the constant failure of the system.

MasterEmaco T 1100 TIX, a rapid-setting and hardening, extra-high strength and shrinkage-compensated cementitious repair mortar was used to give a solid foundation for a high traffic area.

MasterTop 1324 was then laid over the subfloor to provide the aesthetic, easy to clean wearing surface. MasterTop 1324 is monolithically bound to the screed, unlike vinyl, which is simply adhered to the screed. This ensures that there are no weak points where water or bond damage is likely to occur and debond the finish. There are no joints in the floor due to the elastic, crack-bridging properties of MasterTop 1324, meaning that there are no inherent weak points in the area.

The customer's benefit

Low maintenance system that is suitable for high traffic environments

- Less prone to damage than typical vinyl floors that can easily gouge
- Seamless, jointless finish right to the wall ensures no places for bacteria to reside and multiply
- Easily cleanable
- Better life cycle assessment results than vinyl, no removal or landfill waste, MasterTop 1324 can simply be re-topcoated when required.

Projects facts at a glance

- Failing vinyl and latex screed completely removed and replaced using Master Builders Solutions products.
- Full solution found and applied by one contractor and supplied by one manufacturer ensuring full system compatibility.
- MasterTop 1324 installed to give a high wear, hygienic, long lasting, durable floor finish for a heavily trafficked hospital lobby.

Master Builders Solutions by MBCC Group

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Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:
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