



weberfloor specification checklist for warehouses

The logistics sector is now worth £127 billion to the UK economy. According to The Logistics Report Summary 2021, the growth of ecommerce is predicted to drive demand for 92 million sq ft of warehouse space across the UK by 2024.

This guide is designed to help specifiers working on warehouse projects to ensure they have everything covered when it comes to flooring. Take a look through our specification considerations checklist to help you choose the right floor system for your project...



Use

- What loads will your floor need to withstand?
- Will there be racking, machinery, mobile machinery, vehicles or tracking going onto the floor?
- Will robotics be required?

Project timeline

- How quickly do you need access to your floor?
- When will you need access by foot/vehicle/other trades?
- Are you applying further flooring systems?
- Have you factored in installation of equipment/machinery?

Top tips

Using a pump system you can cover 2000sqm in a day with **weberfloor industry pro top 4610**.

Using a **weberfloor** system the warehouse could be recommissioned to light industrial traffic in just 24 hours.

Moisture level

- What is the condition of your substrate?
- Have you checked for moisture?
- Do you need a moisture control system?

Top tips

Weber can supply a DPM that can be applied as a one or two coat system suitable for substrates with a relative humidity of up to 98%.

Substrate

- What is the strength of the substrate?
- Is the tensile and compressive strength of the floor sufficient?
- Are there any contaminants on the surface that need to be removed?
- Can the substrate support additional loads likely to be imposed?
- Are allowances in place for potential substrate movement (expansion, contraction, deflection etc)?
- Is the substrate damaged and in need of repair?

Top tips

weberfloor 4716 is a cost-effective water-based primer that is suitable for use in most industrial installations.

weberfloor fibre rapid 4320 or **weberfloor base rapid 4360** screeds can be used to pre-level surfaces if thicker sections are required.

Final finish

- Which surface regularity level do you require?
- Will a wearing screed be suitable, or will a further coating be required?

SR1 High standard floors for special use (for example high level racking or robotics - 3mm permissible departure from straight edge)

SR2 Normal standard for use in commercial and industrial (5mm permissible departure from straight edge)

SR3 Utility standard floors, where surface regularity is less critical (10mm permissible departure from straight edge)

Top tips

weberfloor screeds are capable of achieving SR1 tolerance and can be used where a high precision floor finish is required.

Industry standards

- What are the minimum industry standards required for your project?

Top tips

BS 8204 for the design and laying of concrete bases and cementitious levelling screeds

BS EN 13813 Properties and requirements for screed material and floor screeds

Sustainability

Our products are made here in the UK helping you reduce the carbon footprint of your project. One tonne bags can also be made available for larger schemes to help reduce waste on site. We are committed to reaching net-zero carbon by 2050 and continually strive to improve the sustainability of the services and products we offer. Our Low-Dust Technology™ reduces airborne particles produced when mixing our mortar products to create a cleaner and more comfortable working environment.

Additional specification support and training

Weber helps you throughout the specification process by:

- providing onsite support including visual inspection and remediation advice.
- offering full technical and specification guidance from design to installation.
- suggesting recommended applicators who are trained with Weber products.
- making **weberfloor** systems available on NBS Chorus.

Top tips

Weber's specification team provides a full project information pack including NBS specification (M10), technical drawings and application advice

Weber can offer their "Warehouses, dilapidations and selecting the appropriate floor finishes" CPD to your team

Case study

The refurbishment of an 18,000sq m warehouse in Peterborough was carried out in football pitch sized phases to manage the sheer scale of the space involved.

With support from Weber's technical team, the works involved preparing and filling channels in an uneven floor surface with **weberfloor 4716 primer** followed by **weberfloor base rapid 4360**, before applying a new flooring system to SR2 standard.

The surface was primed again using **weberfloor 4716** and finished with **weberfloor industry pro top 4610**, a self-smoothing topping screed.

Shot blasting the floor then created a sound solid surface for the final finish, all allowing the client, a national fashion retailer, quick access to continue operating.

For further information and assistance, please contact our Flooring Team:

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Before



Application

After