

**PSC**  
Flooring Ltd.

industrial flooring contractor

# Heavy Duty Engineering and Manufacturing Flooring Examples



# Versatile flooring solutions for Engineering & Manufacturing

Including Aeronautical, Aerospace, Automotive, Casting, Chemical, Component, Fabrication, Forming, Joining, Machining, Manufacturing, Mechanical, Mechatronic, Moulding, Pharmaceutical, Print, and Shearing.

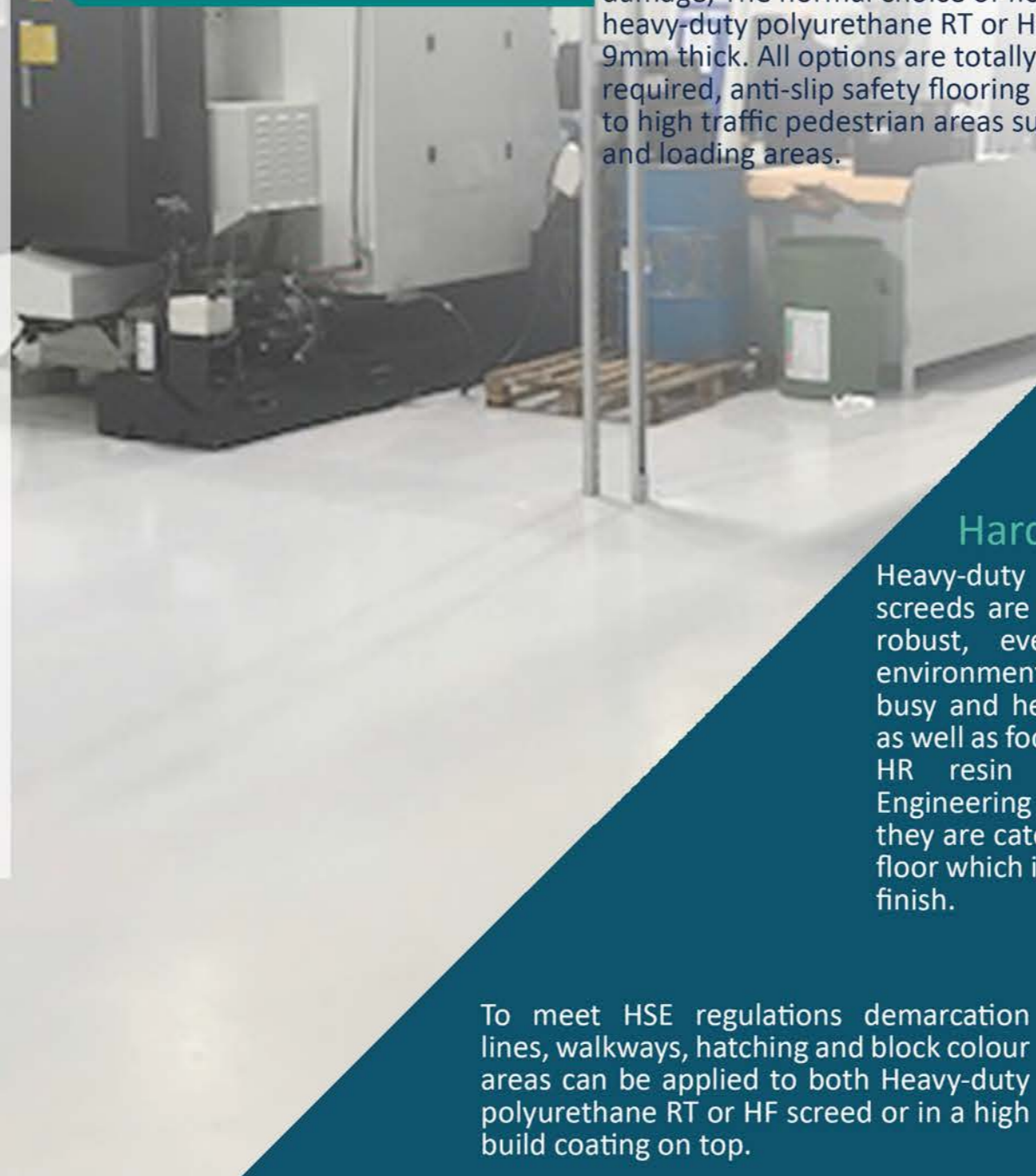


Heavy-duty polyurethane RT or HF screed is ideal for engineering and manufacturing flooring because it is:

- Impact resistant
- Easily cleanable
- Very hard wearing
- Chemically Resistant
- Can be laid to falls to help drainage
- Anti-slip in wet and dry working conditions



Even in the most arduous environments there are options to meet the challenging demands for Engineering & Manufacturing floors. Needing to accommodate busy and heavy-duty forklift truck traffic, be resistant to impact, abrasion, chemical and heat damage. The normal choice of floor for this sector, is a heavy-duty polyurethane RT or HF screed, either 6mm or 9mm thick. All options are totally impervious and if required, anti-slip safety flooring can be applied to high traffic pedestrian areas such as gangways and loading areas.



## Hard-wearing and robust

Heavy-duty polyurethane RT and HF screeds are extremely hard wearing and robust, even in the most arduous environments. Being constantly subject to busy and heavy-duty forklift truck traffic as well as foot traffic, Polyurethane RT and HR resin screeds are perfect for Engineering & Manufacturing floors as they are categorised by FeFRA as a type 8 floor which is the highest rating resin floor finish.

To meet HSE regulations demarcation lines, walkways, hatching and block colour areas can be applied to both Heavy-duty polyurethane RT or HF screed or in a high build coating on top.



## Anti-slip

Polyurethane RT and HF screeds offer the maximum anti slip properties making them ideal for Engineering & Manufacturing floors. Slip resistant in both wet and dry conditions, Polyurethane RT and HF

## Chemical resistant

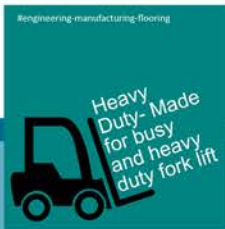
Engineering & Manufacturing floors can be subject to spillages such as grease, oil or fuel. With Polyurethane RT and HF screed Floors, spillages will remain on the surface until cleaned, once removed it will not leave a mark on the floor.

## Heat resistant

Due to large machinery engineering floors can be subject to extremes of heat, so any floor must be thermal shock resistant. Polyurethane screed floors are very durable and offer excellent thermal protection and can withstand direct temperatures up to 120 degrees.

## Easy to Clean

Polyurethane RT and HF Screed floors as easily cleanable with the use of an industrial scrubber-dryer together with the appropriate cleaning product.



## Heavy Duty Flooring

- Made for Forklift Traffic
- Very heavy duty & hard wearing
- Impact and Chemically resistant
- Easily cleanable
- Can be laid to falls
- Anti-slip in wet and dry



# Gestamp Tallent Ltd

Manufacturer of metal automotive components -  
Test Lab Floor, Newton Aycliffe, County Durham

## 511 square metres 6mm RT Screed

Over a number of years PSC Flooring have carried out flooring work at two of the UK Gestamp facilities. In each case PSC Flooring recommended a nominal 6mm heavy duty RT polyurethane screed as the client brief was a hard-wearing floor that was seamless, easy to clean, could give anti-slip resistance when wet and would last for a decade or more.

The existing concrete floors in the Test lab were shot blasted clean and repairs were made to any areas of damaged concrete using epoxy mortar compound. To seal the floor one coat of Resdev Pumaprime damp proof epoxy resin primer was laid to the whole area.

A nominal 6mm heavy duty Resdev Pumadur polyurethane screed was applied by trowel, in the clients chosen mid grey. To complete the refurbishment a 6mm x 6mm channel was saw cut to the expansion joints and infilled with joining compound.

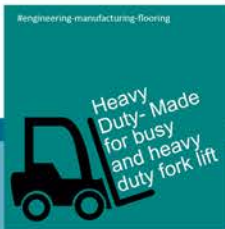
The work was carried out in just one week, completed on time and in budget. The customer was delighted with the results.

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The new test lab floor has given a great overall visual effect making the space lighter and brighter. We are extremely pleased overall.

Gestamp Tallent Ltd





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# Gestamp Tallent Ltd

Manufacturer of metal automotive components - Fareham, Hampshire.

## 1096 square metres 6mm RT Screed

PSC Flooring have carried out flooring work at two of the UK Gestamp facilities over a number of years. In each case the client brief was a hard-wearing floor that was seamless, easy to clean, could give anti-slip resistance when wet and would last for a decade or more, so PSC Flooring recommended a nominal 6mm heavy duty RT polyurethane screed.

The existing concrete floors were shot blasted clean, repairs were made to damaged concrete as required using epoxy mortar compound and then one coat of Resdev Pumaprime damp proof epoxy resin primer was laid.

A nominal 6mm heavy duty Resdev Pumadur polyurethane screed was applied by trowel, in the clients chosen Chelsea blue to gangways and safety yellow to walkways. To complete the refurbishment a 6mm x 6mm channel was saw cut to the expansion joints and infilled with joining compound.

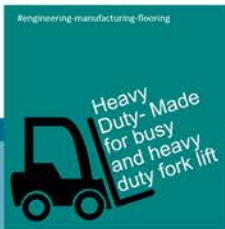
The work was carried out in just two weeks, during a shutdown period. The project was completed on time and in budget and the customer was delighted with the results.



“Accommodating, within budget and great quality! Overall, the work carried out by PSC Flooring was to an extremely high standard and we will be using them again in the future.

Gestamp Tallent Ltd





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## Hymix Ltd

Manufacturer of cement mixing vehicles - Telford

### 1400 square meters 6mm RT Screed

Looking for a minimum of 10 year lifespan, the client required the floor to be exceptionally hard wearing, maintenance free, easy to clean, able to withstand heavy machinery and traffic and scratch resistant.

The existing concrete floor required shot blasting and extensive repair before applying 2 coats of Damp Proof Membrane to A 6mm Heavy Duty ResDev RT Polyurethane Screed in the clients chosen mid grey was then laid, with an additional coat of ResDev Pumadur DD Polyurethane coating system in clear silk to ensure the floor could withstand the high impact of such a busy and heavy-duty production area.

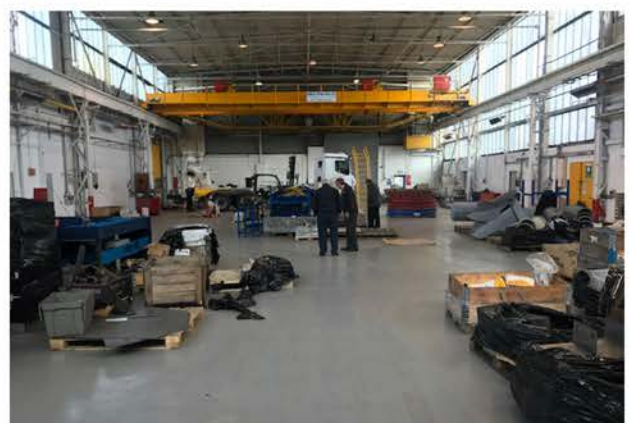
A safety yellow demarcation line around the 1-meter wide perimeter and walkways in the chosen safety yellow colour as well as zebra crossings by the shutter doorways was installed to meet Health and Safety Executive guidelines.

Completed on time, within budget and within the given timescale the extensive floor refurbishment along with the overall building makeover completely changed the building.



The floor has completely transformed the building in to a light and bright, clean working space. The investment was definitely worth it. We couldn't be happier and would highly recommend PSC Flooring.

Hymix Ltd





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