

ABS Self Levelling Floor Screeds

The smooth way to flooring

GIVING YOU THE ANSWERS

The specification of a new or refurbished floor can be problematic.

How do you achieve a floor that is flat, smooth and thin all at the same time?

Which system will always perform to exacting standards, often in highly testing environments? And how can you minimise installation and drying time to prevent disruption? Norton Construction Products can smooth the way.

In 1996 two leading brand names in cement-based floor screeds were amalgamated by Optiroc to form the widest and most comprehensive range in the world. Blending Finnish and Swedish technology, the range includes hand-applied and pumpable screeds for Commercial, Industrial, Renovation and Marine applications.

All products are now branded with the ABS prefix (eg ABS 154, ABS 400 etc).

DESCRIPTION

Incorporating pumpable and hand-applied, self-levelling cementitious underlayments, floor screeds, heavy duty wearing screeds and resin underlayments, ABS advanced flooring systems offer a unique combination of benefits for use in the following applications :

Commercial screeds

- **2mm to 20mm**

A fast and simple method of producing a fast drying, rapid hardening, high strength flat floor screed at minimum thickness.

- **20mm to 50mm**

For use where ABS thin bed screeds are inappropriate i.e. insulated, acoustic or heated floors. Optiroc has a range of thicker floating and bonded screeds suitable for any floor levelling requirements.

Heavy industrial

For fast application of smooth, hard wearing, non-dusting industrial floors with minimal down time.

Light industrial

For creating a flat, level base to receive resin finishes within 24 hours.

Marine

A uniquely flexible, durable pumped floor screed system for steel decking.

Renovation

A range of fibre reinforced floor screeds for application onto a variety of substrates including existing screeds, wooden floorboards, old vinyls, terrazzo and ceramics.

- **Fast Track for Commercial and Retail**

Quickly provides a thin, level substrate for direct application of vinyls and carpets. On a primed, solid surface, ABS can be pumped at thicknesses of 4-30mm at a rate of 1000m² per day. Depending on thickness and ambient conditions, floors may be walked on in 2-4 hours and soft floor coverings installed within 24 hours.

- **High Performance Industrial Floors**

The ABS Industrial Duro[®] System offers uniquely efficient installation of hard wearing, seamless flat floors. ABS Industrial Floors are ideal for factory and warehouse situations with high demands for wear and abrasion resistance.

Where maximum flatness and repeated wheel movement resistance are both vital, as in high bay racking systems, ABS achieves the flatness ratings TR34 category 1 and 2. Speed of application is up to ten times faster than that of traditional screeds, and fast drying and curing properties allow forklift traffic or resin finishes to be applied within 24 hours.

THE HEIGHT OF SUCCESS

IBM Office Refurbishment, Birmingham ABS 147 Self level screed

IBM wished to install access flooring into a nine-storey office block with minimal reduction in room height – a specification that ruled out standard access flooring and



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traditional screed. Thames Industrial Flooring Contractors pumped in 9000m² of BBA approved ABS 147 self level screed at a thickness of 5-6mm. This provided a level base on which IBM could install a thin section access floor. The overall reduction in room height was a negligible 70mm.

"The advantages of the ABS system were very significant. Pumping the floor screed up to each of the nine floors saved days of work, and the speed of installation (1000m² per day) and fast 24 hour drying time ensured the contract was finished ahead of program."

George Hooper MD, Thames Industrial Flooring Contractors, Southend, Essex.

THE PERFECT MATCH

Conversion of Bryant and May's Match Factory, Hackney, London – ABS 200 Self level Renovation.

The client faced several problems in converting the Victorian factory to apartments. Many of the floors were a combination of wood and concrete, unable to wear the weight of conventional floor screeds. Surrey-based contractor P.P.L. used fibre reinforced pumpable ABS 200 Self Level Renovation screed, which can be laid on a variety of surfaces, including old substrates, floorboards, old vinyl and ceramics. 10,000m² of screed was pumped in 8 days.

"Two important criteria were that the screed should perform on the different substrates and that the overall floor to ceiling height should not be substantially reduced. ABS 200 performed impeccably on both counts."

David Timlin, Commercial Director, The Progressive Group.



A SMOOTH RIDE

The Vauxhall car Plant, Luton – ABS DURO® System

The Vauxhall car plant produces 330 vehicles per day, so any halt in production is naturally very expensive. The problems posed by the need to upgrade areas of an old, uneven and cracked floor were solved by Grosvenor Contracts using the ABS Duro® System. After preparation and priming, subsequent layers of ABS Durobase® and Durotop® were installed to substantial areas of the production lines.

During a typical installation, Grosvenor co-ordinated the operation with such precision that from 5pm start on Friday, the production was back in operation on Monday morning, 7am sharp. The ABS Duro® System is seamless, thin, flat, smooth and has a wearing surface that is non-dusting and more wear resistant than power floated concrete. It is used in many industries including : automotive, engineering, printing, manufacturing, warehousing and distribution.

CLEARING THE DECKS

Bluewater Oil Platform – ABS 600 Marine Elastic

Refurbishing a ship or oil rig has to be done in the shortest possible time, but laying screed by hand is slow and can delay many of the other trades.

Jim Rogers, a specialist marine flooring contractor based in Scotland, was delighted to discover that ABS Marine Elastic pumpable floor screed could reduce the installation time of the floor screed in the accommodation module of Bluewater's 'Bleholm' Floating Production Storage and Offloading vessel.

ABS 600 Marine Elastic may be installed on a steel decking substrate at a rate of up to 1000m² per day.

The floor is ready to receive foot traffic in 1-2 hours and soft floor coverings within 24 hours.