



 **Agilia**
SCREED A

The ultimate free-flowing floor screed



It's a common problem; time is short yet the project requirements are long. You need a flooring solution that is both fast and flexible, one that is simple to place providing a high quality surface. Ordinary sand cement screed does not deliver the speed or the versatility. But there is an alternative that ticks all the right boxes, Agilia Screed A from Lafarge Tarmac.

ULTIMATE SOLUTION

Agilia Screed A from Lafarge Tarmac. The ultimate free-flowing floor screed. also thinner than conventional screeds making it the natural choice for underfloor heating systems.

Agilia Screed A is made with a unique synthetic anhydrite binder in place of cement and is pump applied due to its fluid consistency. This means that it is easier to lay, covering areas of up to 2,000m² in a day. It is



BENEFITS

Fast installation

Free-flowing Agilia Screed A can be laid in areas of up to 2,000m² in just one day. It is suitable for foot traffic within 24-48 hours while partitions can be erected just seven days after placing.

High strength

Stronger than sand cement screed, Agilia Screed A requires no reinforcement and no manual compaction.

Lower depths

- Bonded 25mm
- Contact with substrate 30mm
- Unbonded 30mm
- Floating commercial 40mm
- Floating domestic 35mm
- Underfloor heating 30mm nominal cover to pipes

Flexible choices

New build and renovation work. Unbonded, bonded or floating construction. Residential and commercial. With or without underfloor heating. Whatever the requirement, Agilia Screed A gives you greater project flexibility.

Low shrinkage

Agilia Screed A is less prone to shrinkage than sand cement screeds and therefore requires fewer construction joints.

More sustainable

Agilia Screed A doesn't contain any cement and has an overall recycled content of 36%.

HOW IT WORKS

Free-flowing for faster installation

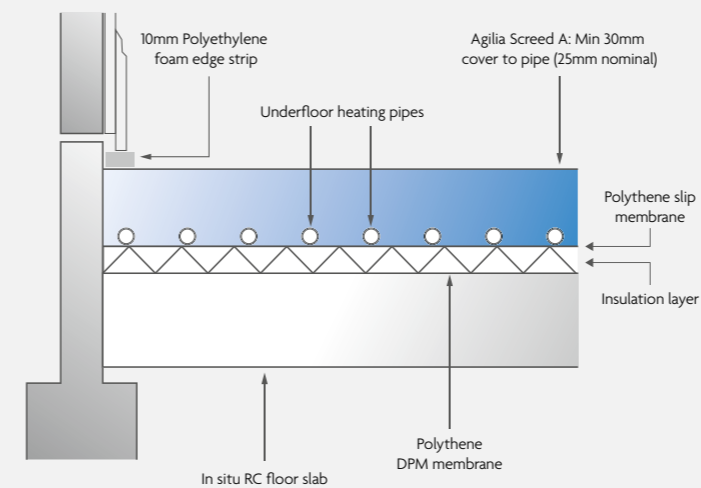
Agilia Screed A is made with a recycled source of gypsum (calcium sulphate) rather than cement. It has a free-flowing fluid consistency and is applied by pump.

Floors are suitable for foot traffic within just 24-48 hours, while drying takes just 40 days, or sooner with force drying (available after only 7 days). Typical drying times are 1mm per day for depths of 40mm and 0.5mm per day for depths above 40mm.

More benefits. More applications

Agilia Screed A is perfect for a wide range of applications. Its high thermal conductivity and minimum thickness make it ideal for use with underfloor heating. Furthermore, because it's free from protein and doesn't harbour potentially harmful bacteria, it's also the natural choice for hospitals and care homes.

Installation over underfloor heating system



ULTIMATE SPEED

Agilia Screed A can be laid in areas of up to 2,000m² in just one day.

ULTIMATE VERSATILITY
Its high thermal conductivity makes Agilia Screed A perfect for use with underfloor heating.

Agilia Screed A is a low shrinkage flowing screed made with recycled gypsum binder instead of cement. It's stronger, more versatile and more sustainable than conventional sand cement screeds. Four other proven formulations are also available in the range:

Agilia Screed A XTR

- Designed for use with underfloor heating systems and where higher than usual loadings are expected
- Suitable for application as a floating screed
- Can be used in both domestic and commercial buildings
- Excellent thermal conductivity

Agilia Screed A SoundBar

- Designed specifically for use over timber joints both in masonry and timber framed designs
- Suitable for both commercial and residential projects where improved acoustic, loading and durability are required
- Up to 1,200m² laid per day
- Improved loading compared to timber batten floors
- Ideal for use with underfloor heating

Agilia Screed A Sky

- Designed for use in high rise buildings above 10 storeys
- Specially formulated to reduce moisture loss to pump lines and inline segregation
- Productivity up to 1,200m² per day
- Excellent underfloor heating performance compared to floating floors
- Minimum thermal expansion (0.012mm/mmK)

Agilia Screed SteelDeck

- Designed specifically to be used with the Lewis Deck dovetail sheeting, for use with either timber, metal web or steel joists in masonry, timber or lightweight steel structures
- Perfect for ground, separating or mezzanine floor constructions
- Increased productivity and improved loading compared to floating floor treatments
- Easily accommodates underfloor heating within the screed zone
- No need for loading out prior to flooring



APPLICATIONS



ULTIMATE EXPERIENCE

Centurion Court, Woodford, London

CHALLENGE

A development of 10 apartments close to Canary Wharf, the challenge at Centurion Court was threefold. The large natural stone tiles used on the floors would be prone to cracking should there have been movement within the screed, therefore a flooring solution with low shrinkage was required. In addition, due to the underfloor heating system, the screed also needed to have low thermal resistance. And finally, the contractor wanted to reduce the programme.

SOLUTION

Agilia Screed A was specified for the flooring as it met the physical requirements, offering low shrinkage properties and low thermal resistance.

RESULT

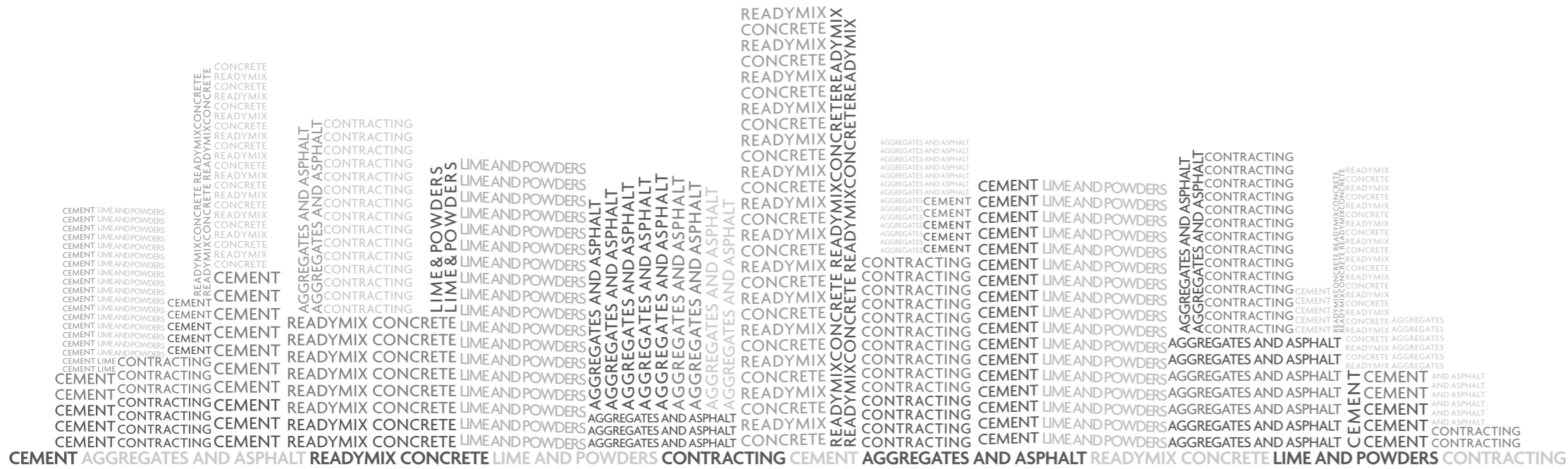
The screed was successfully laid with the floor tiles applied afterwards. The use of Agilia Screed A will prolong the performance of the tiles and ensure the overall aesthetic appearance of the floor. In addition it increased the speed of construction ensuring a shorter project time.

ULTIMATE SPEED

The use of Agilia Screed A helps contractors reduce programme times.

ULTIMATE SUSTAINABILITY

ULTIMATE COMMITMENT
Lafarge Tarmac converts over 6.5 million tonnes of construction and industry waste into new products each year.



Lafarge Tarmac is committed to providing construction materials and solutions that make a positive contribution to the built environment. By working closely with our customers, together we can reduce the environmental footprint of projects and deliver innovative, more sustainable solutions.

We take a 'whole life' approach, addressing not only the extraction, manufacture and transport of our products but also consider their sustainable performance in use and opportunities for reuse and recycling at end of life. We use management systems certified to ISO 9001, ISO 14001 and OHSAS 18001 across our operations to continuously improve social, economic and environmental performance.

Our commitment to support our customers and provide sustainable solutions is further demonstrated by certification across our product range to BES 6001, the framework standard for Responsible Sourcing and 5* accreditation in the Achilles BuildingConfidence scheme.

- Agilia Screed A**
- Binder made from 98% recycled material
 - Lower carbon footprint than traditional cementitious screeds
 - Suitable for use with low energy underfloor heating

ULTIMATE CAPABILITY

Lafarge and Tarmac have joined forces to create the ultimate construction products solution provider. One company with one vision. Committed to safety. Dedicated to sustainability.

Combining industry-leading innovation and market-leading supply and distribution, together we offer the ultimate range of products and services:

Aggregates for concrete, asphalt and mortar production, sub-base construction, capping, drainage and landscaping.

Asphalt and Contracting Services for infrastructure, motorways, roads, car parks, footpaths, sports facilities, stadiums and runways.

Readymix Concrete and Cement for the construction of homes, power stations, water treatment works, freight depots, ports, office buildings and shopping malls.

Lime and Powders for water purification, soil stabilisation, land reclamation and the manufacture of iron and steel, plastics, glass, pharmaceuticals and animal feed.

Our solutions play a pivotal role in delivering the services on which we all rely. Fresh food on supermarket shelves. Clean water on tap. Electricity at the touch of a button.

Maintaining these services is a big responsibility. And one that we don't take lightly. We work closely with clients, contractors and partners across the supply chain to make sure that the solutions we deliver are not only practical and cost-effective, but also long-lasting and sustainable.

All of our products are responsibly sourced in accordance with BES 6001. Our asphalt and concrete mixes increasingly contain up to 50% recycled content, and we are the UK's leading supplier of recycled construction materials.

Delivering sustainable solutions is what our business is all about. It's what we do. It's what Britain's built on.

AGGREGATES AND ASPHALT

CEMENT

LIME AND POWDERS

CONTRACTING

READYMIX CONCRETE

Readymix Concrete

Lafarge Tarmac is the No.1 supplier of innovative readymix concrete solutions:

- 1,000's of unique formulations
- 90+ concrete production facilities across the UK
- 10 mobile batching plants
- 17 regional sales and technical teams
- 560 employees

ULTIMATE PARTNERSHIP
As one company, Lafarge Tarmac provides unrivalled solutions and expertise.



ULTIMATE SUPPORT

FAQs

Why choose Agilia Screed A over sand cement screed?

Agilia Screed A is stronger than sand cement screed and faster to install. It can be laid thinner; using less material and making it perfect for use with underfloor heating.

Exactly how much time can be saved?

Free flowing Agilia Screed A can be laid in areas of up to 2,000m² in just one day. It is suitable for foot traffic within 24-48 hours, partitions can be erected just 7 days after placing while force drying can also take place after only 7 days. To save labour time, Agilia Screed A is also self-curing and self-compacting.

How can it reduce shrinkage and cracking?

Unlike conventional sand cement screed that requires lots of joints and can only be laid in small bays of between 5-7 linear metres, Agilia Screed A follows the building construction joints up to 30-40 linear metres. This delivers very low shrinkage, minimal cracking and zero curling, easily achieving a surface finish of SR2 under BS 8204.

How is it installed and who installs it?

Unlike sand cement screed which is often mixed on site by hand with inconsistent quality, Agilia Screed A is produced under BS EN 13454 and delivered to site by readymix truck. It is then pump-applied by Lafarge Tarmac approved contractors.

Why is it more sustainable than conventional screeds?

It doesn't contain any cement and has an overall recycled content of 36%.

Why is it so suitable for use with underfloor heating?

Its fluid consistency allows it to flow freely around pipe work filling gaps without leaving voids.

What's the benefit of protein-free?

Being free from protein means Agilia Screed A does not harbour harmful bacteria, making it perfect for use in hospitals and care homes.

ULTIMATE VERSATILITY

Agilia Screed A is stronger, more versatile and more sustainable than conventional sand cement screeds.

MORE ANSWERS

For more information about Lafarge Tarmac Agilia Screed A contact your local regional office or visit lafargetarmac.com/agiliascreedA

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It's what Britain's built on.



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