A firefighter's helmet and jacket are lying on the ground in front of a fire truck. The helmet is yellow and black, and the jacket is brown with reflective yellow stripes. The background is a dark, blurred fire truck.

vebrospeed: harder,
better, faster, stronger

quick-cure methyl-methacrylate
(MMA) floor coating systems

vebro speed flaked & quartz MMA floor coating systems...

vebro speed is range of fast-cure flooring systems designed to accelerate the speed of cure of resin flooring even further on new-build projects with a narrow installation window or in refurbishment or upgrade scenarios where a fast return to service is a must-have.

The main benefit of **vebro speed** systems is their accelerated speed of cure, which makes them an excellent choice for new-build and upgrade projects where timesaving and programme efficiency is critical.

In most scenarios, **vebro speed** systems are ready to walk on in 60 minutes, which is highly advantageous where follow-on trades require early access, or a facility requires a prompt return to service.

key performance benefits



vebro speed offers clients a fast return to service in refurbishment scenarios



vebro speed allows early access to follow-on trades in new build scenarios



vebro speed is available in a range of attractive, colourful flake or quartz blends



vebro speed systems exhibit excellent chemical and stain resistance



vebro speed demonstrates excellent UV resistance, minimising yellowing over time



vebro speed offers an EN 13501-1 B_{s1} fire retardant fire rating



vebro speed Quartz features a positively textured surface that enhances slip resistance



vebro speed can be installed over existing tiles, making it ideal for refurbishment projects

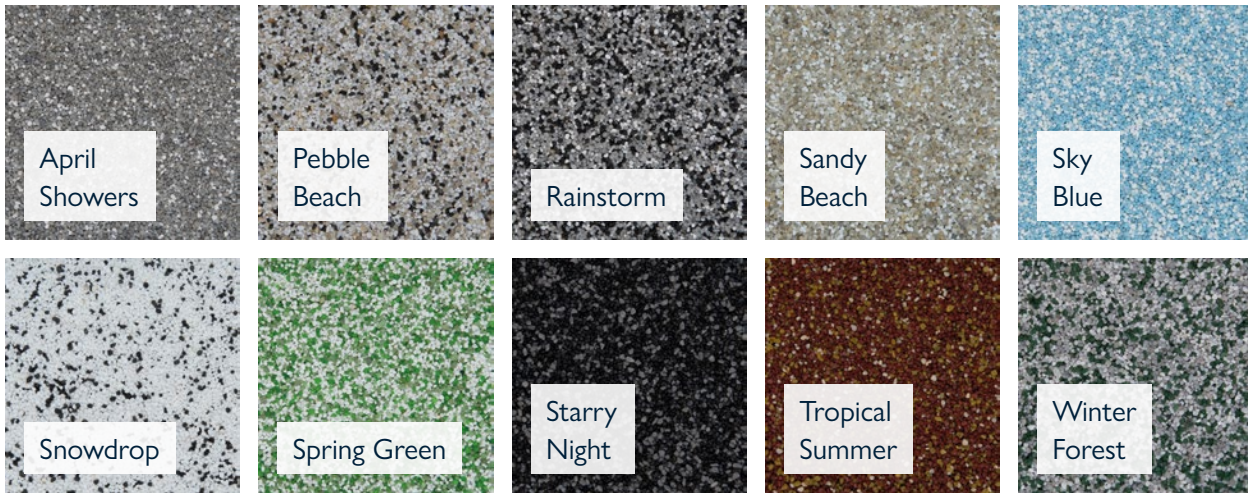
flake & quartz blends available

vebro speed systems are available in a range of core flake and quartz blends, designed to deliver an attractive finish, without compromising on performance.

vebro Coloured Flake Blends



vebro Coloured Quartz Blends



looking for a different colour?

Custom flake and quartz blends are available for **vebro speed** systems! For more information, visit vebro polymers.com

methyl-methacrylate flooring

frequently asked questions

Although it offers impressive performance benefits, MMA resin flooring can present a number of challenges on site, often relating to its fast speed of cure as well as its characteristic strong odour.

Here, we take a closer look at some of the frequently asked questions relating to methyl-methacrylate resin flooring to dispel the misunderstanding and shine a light on what is sometimes referred to as a dark art.

What is MMA resin flooring?

Not to be mistaken with mixed martial arts, in the polymer world, MMA is the acronym used for methyl methacrylate – a monomer and key building block for most acrylic-based polymers.

MMA is used in a variety of medical, dental, and industrial products and applications – including acrylic reactive resin flooring, where its inclusion accelerates the liquid-applied flooring's speed of cure.

More often than not, MMA resin flooring or deck wearing surfaces can receive foot traffic in just 60 minutes after having been applied, which makes it highly advantageous on new construction or maintenance projects where time is of the essence!

What are the main benefits of MMA resin flooring?

MMA resin flooring is best known for its rapid cure and versatility. MMA-based acrylics can be installed fast and fully cure in less than two hours in temperatures as low as -30°C.

In addition, MMA resin flooring exhibits very high scratch resistance, can withstand service temperatures up to 70°C, has a low-glare satin matt finish and is often available in a decorative range of colours and finishes including decorative PVA flake and quartz blends.

MMA resin flooring also has an excellent chemical resistance profile and can withstand a wide range of acids and caustics, especially the organic acids used in the food processing industry.

The low-temperature cure capability allows them to be used during cold weather and in freezers and coolers. They are highly resistant to UV light, staining and marring, and they do not chalk or yellow.

Can MMA flooring be installed outside?

The curing process of traditional epoxy and polyurethane systems with longer cure times could be affected by precipitation or temperature cycling, but owing to its incredibly quick speed of cure, MMA flooring systems can be installed outside with little concern for changing weather conditions.

MMA systems are also UV-stable, so once they have been installed in outdoor locations, their colour will remain unaffected by exposure to sunlight.

Is MMA flooring durable?

During the cure process of MMA floor coating materials, each layer effectively welds itself to the previous coat. This creates a monolithic coating that is incredibly durable and will not delaminate.

Is MMA flooring hygienic?

The seamless application of MMA flooring results in a surface that is free of joints, grooves and other areas where bacteria naturally builds up.

Its impressive durability also minimises the risk of damage from dropped tools, objects or equipment, so the integrity and inherent seamless hygienic nature of the floor finish is maintained.

Is MMA flooring suitable for refurbishment projects?

Not only does MMA flooring cure in as little as one hour, meaning operations in facilities where the floor is being refurbished can return to normal quickly, MMA floor coating systems can also be installed over a variety of substrates, including steel, concrete and tiles.

Is the MMA smell dangerous?

Cured MMA flooring does not smell, and while the smell exhibited by the liquid components of MMA flooring can be unpleasant, it is not considered dangerous.

Installation teams can minimise the smell during installation, as well as any odours that may linger, by ensuring adequate ventilation and using appropriate extraction equipment.

Because MMA flooring materials can cure in temperatures as low as -30°C, this ventilation is very unlikely to interfere with the curing process.

Can anyone install MMA resin flooring?

MMA is considered a specialist product; and due to the material's reduced working time, applicators need to be trained on the correct installation techniques by the manufacturer to ensure effective installation. Vebro Polymers can recommend a number of trained applicator partners who are able to quote your MMA resin flooring project.

vebro speed systems

vebro speed is available in both a colourful quartz and decorative flake blend.

Typically, the quartz system is used in more demanding industrial processing areas and catering kitchens or

alternatively wet areas of commercial premises such as WC or changing room facilities.

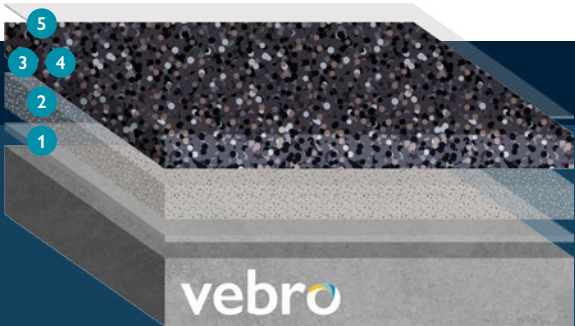
The flake system is highly decorative and can be used in frequently trafficked retail, leisure and office facilities.

MMA quartz systems

vebro speed Quartz

- 1 vebro MMA Primer
- 2 vebro Coloured Quartz Blends
- 3 vebro MMA Binder
- 4 vebro Coloured Quartz Blends
- 5 vebro MMA Seal (Clear Silk)

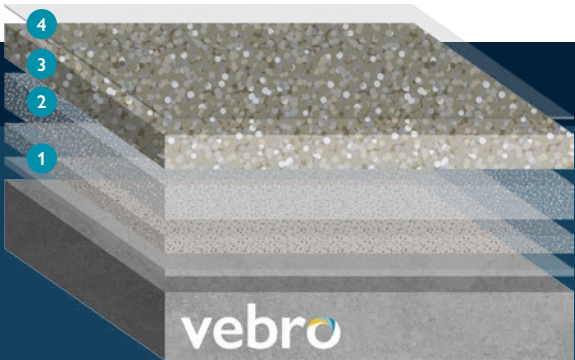
best for general industrial applications 4.0 mm



vebro speed Quartz SR

- 1 vebro MMA Primer
- 2 vebro Natural Quartz
- 3 vebro MMA Binder with vebro MMA Filler
- 4 vebro Coloured Quartz Blends
- 5 vebro MMA Seal (Clear Silk)

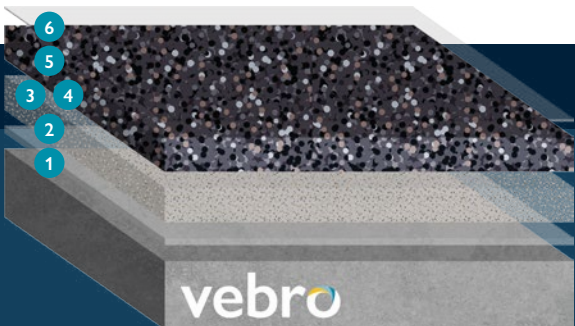
best for enhanced slip resistance 4.0 mm



vebro speed Quartz (Wet System)

- 1 vebro MMA Primer
- 2 vebro Coloured Quartz Blends
- 3 vebro MMA Binder
- 4 vebro Coloured Quartz Blends
- 5 vebro Coloured Quartz Blends (broadcast to excess)
- 6 vebro MMA Seal (Clear Silk)

best for wet areas 5.0 mm

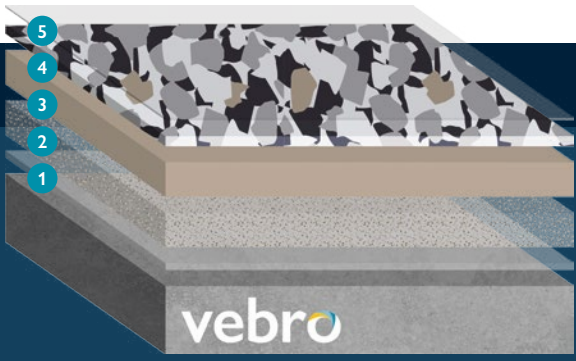


MMA flake systems

vebro speed Flake

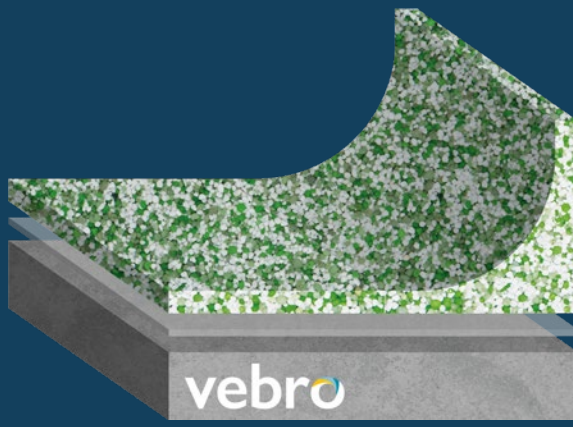
- 1 vebro MMA Primer
- 2 vebro Natural Quartz
- 3 vebro MMA Binder with vebro MMA Pigment & vebro MMA Filler
- 4 vebro Coloured Flake Blends
- 5 vebro MMA Seal (Clear Silk)

best for commercial applications 2.0 – 4.0 mm

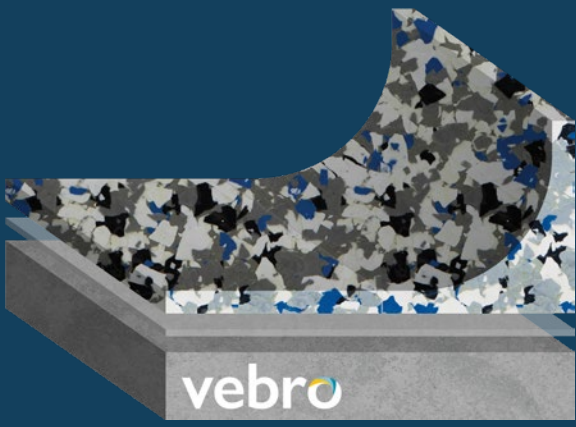


MMA coving

vebro speed Quartz Cove



vebro speed Flake Cove



technically speaking...

Looking for technical information?
Full technical profiles can be found in the
vebro speed technical datasheets.

For the most recent vebro speed technical
datasheets and standard system specifications,
please visit vebro polymers.com



vebro polymers.com

Please note: the information in this guide is subject to change and the most recent technical data should be sought for accurate, up-to-date product or system information. Errors & omissions excepted. The applied colours may differ from the examples shown within this guide. Actual samples should always be viewed before making a final decision, especially if colour accuracy or matching is key to your decision.

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