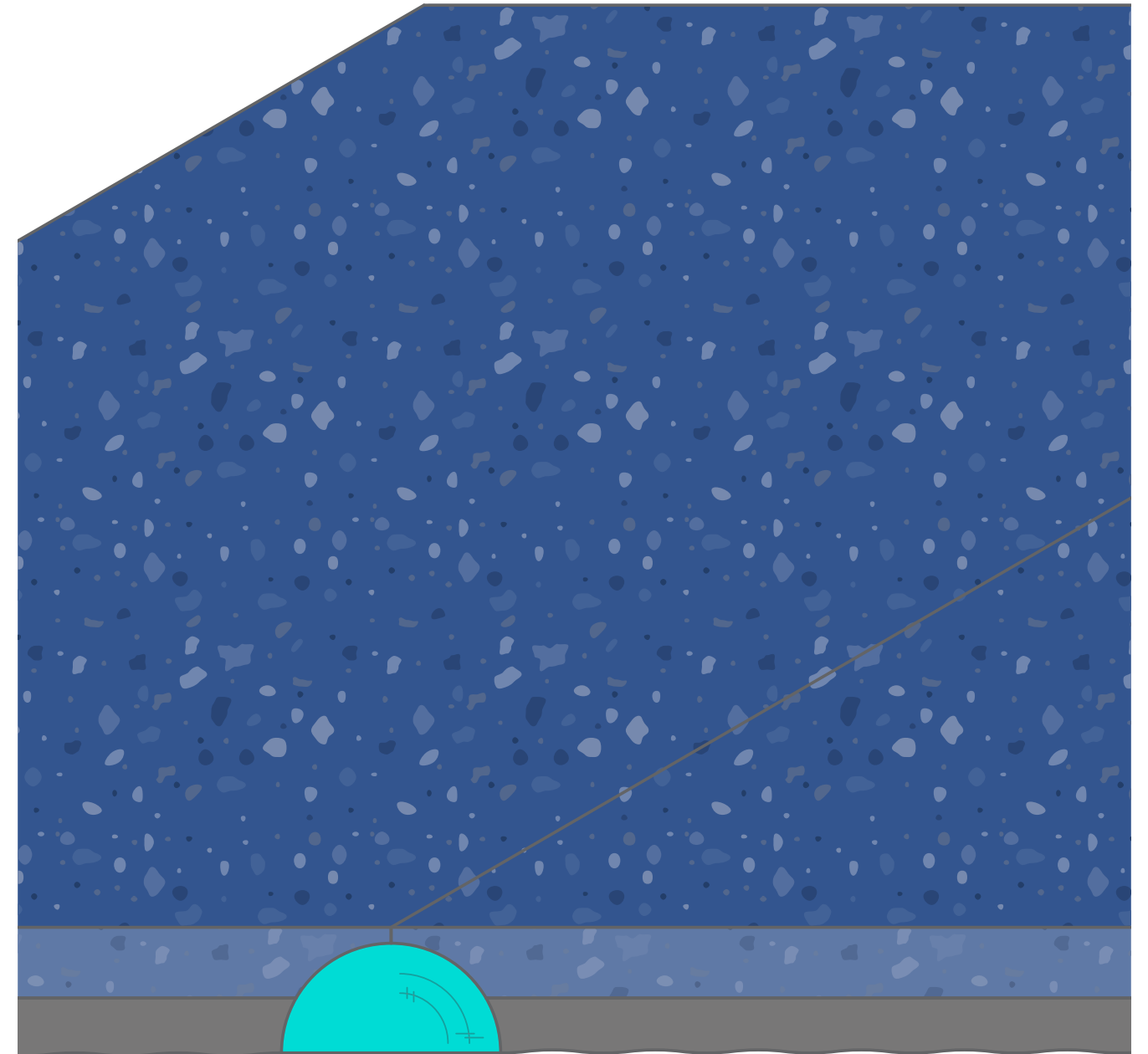





Designed for possibilities.  
Made for people.



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## Altro reverse welding service

[altro.com](https://altro.com)

REV WELD EN 09/21

Join with us for benefits at  
installation and in service

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# Get into the groove

Join with us to keep welds out of sight  
- and out of mind.

Through partnering with operators and manufacturers, we noted a challenge felt by customers across the world: creating a good, strong, lasting weld. Our latest service launch addresses this challenge, as well as offering enhanced benefits both at installation and in service: Altro reverse welding service.

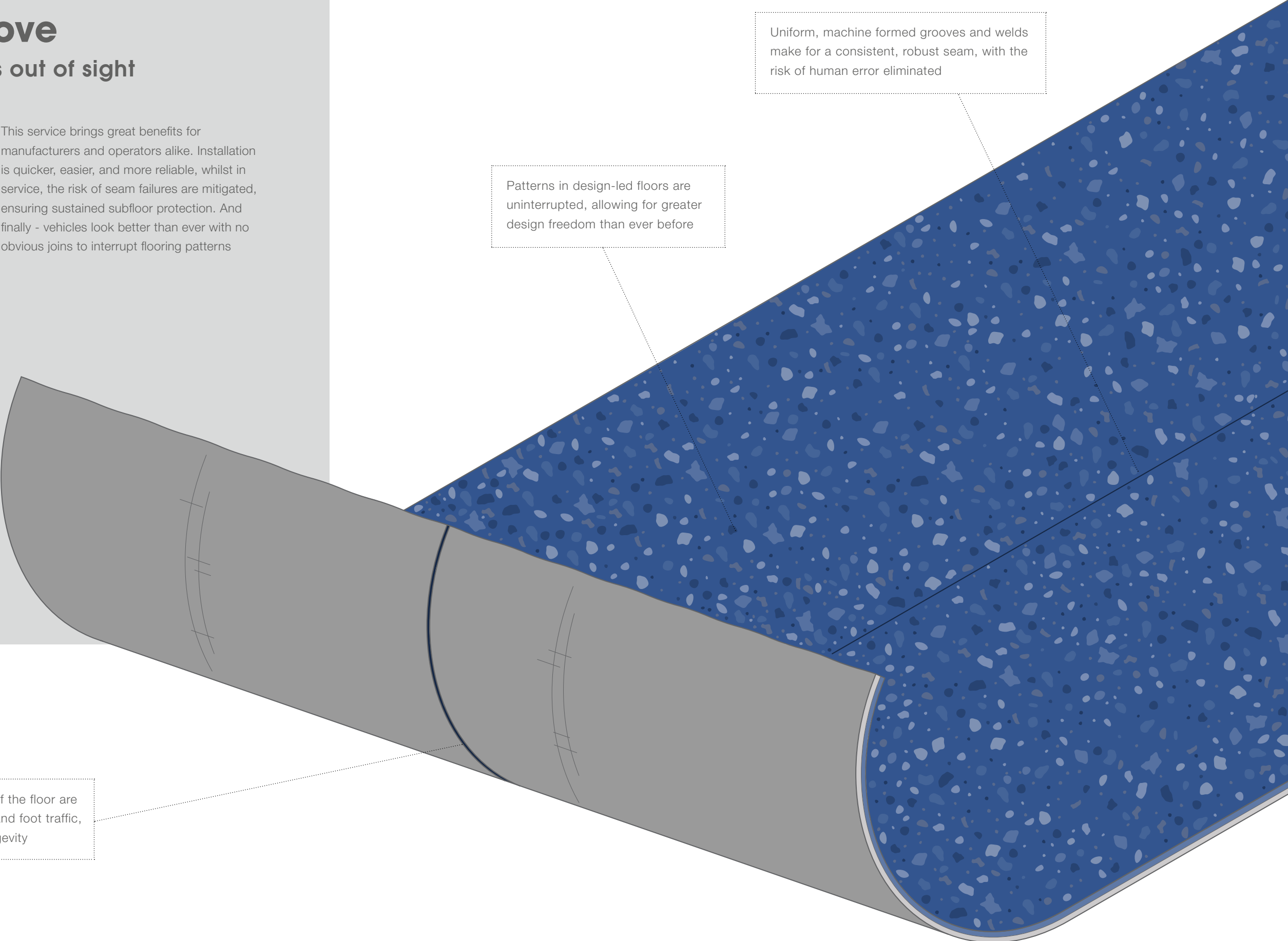
Altro's reverse welding service takes the hard work out of welding with machine-accurate grooves and welds that provide robust seams on the underside of our floors. This service enhances both interior aesthetics and product performance using a new, process invented by our experienced engineers at Letchworth Garden City in the UK.

This service brings great benefits for manufacturers and operators alike. Installation is quicker, easier, and more reliable, whilst in service, the risk of seam failures are mitigated, ensuring sustained subfloor protection. And finally - vehicles look better than ever with no obvious joins to interrupt flooring patterns

Uniform, machine formed grooves and welds make for a consistent, robust seam, with the risk of human error eliminated

Patterns in design-led floors are uninterrupted, allowing for greater design freedom than ever before

Welds on the underside of the floor are protected from wheeled and foot traffic, making for increased longevity



# Trust the process

“Our engineers at Altro HQ have invented a new way to weld vinyl floors on the reverse, and it's so good, we're getting it patented. This new, mechanical process produces welds at a consistent depth and speed, creating a stronger, more reliable seam which can stand up to the daily wear on all types of public transport including city and commuter buses, intercity, commuter and light rail, and autonomous vehicles.

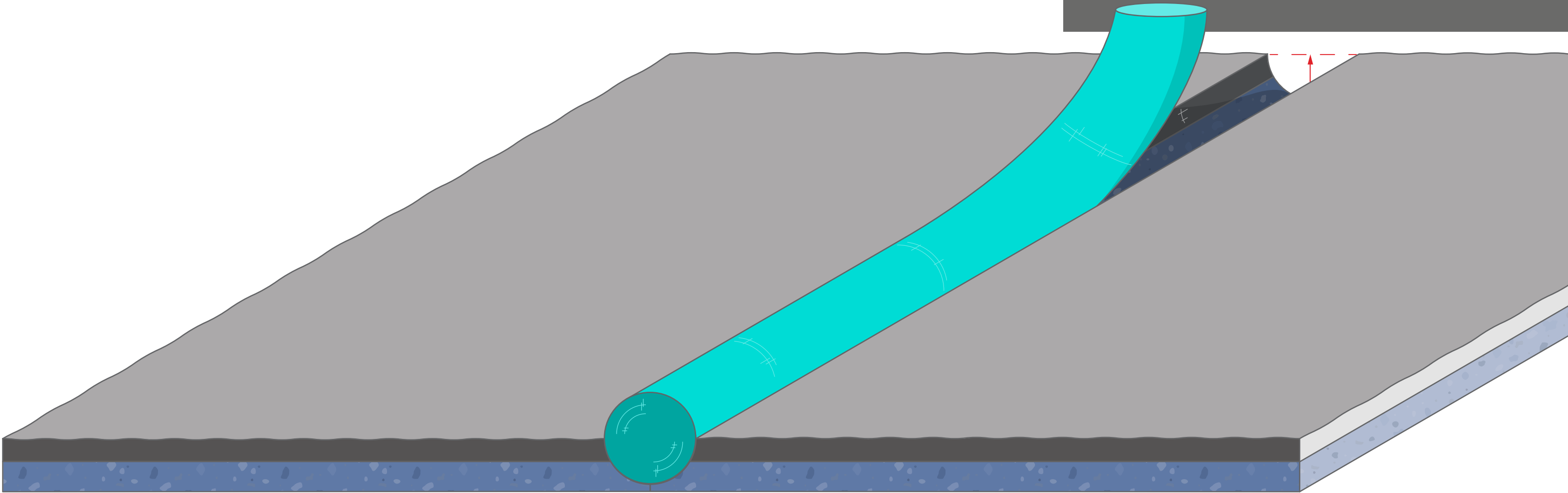
## We'll do the hard work

Our reverse welding service takes one of the more highly skilled elements of the flooring installation away from the vehicle manufacturer. With our process, human error is eliminated, lessening the risk of seam failures in service.

## A faster, more reliable installation

With Altro's reverse welding service, the flooring for each vehicle is delivered pre-cut and pre-welded ready for installation, cutting installation time as well as making the process easier and therefore less open to errors for a more reliable performance.

On a tight schedule? Cut adhesive application and curing time from your installation as well, and order your reverse-welded floor in a self-adhesive format, allowing you to simply peel away the translucent backing and stick the reverse welded, pre-cut floor into place. Once rolled, the floor can be walked on straight away allowing the next stages of installation to continue without delay.



\* drawing not to scale.





Left: traditionally welded floor; Right: reverse welded floor

# Hidden benefits

Our reverse welding service is compatible with all of our PVC and acrylic floors for transport, but makes the best impression on our design-led ranges. Whether you’ve chosen a wood-look floor, a scattered, mineral pattern, or your own custom design, using our reverse welding service means that seams are difficult to see, leaving your flooring design uninterrupted. With these smaller, harder to see seams, dirt build up is minimised, making for easier cleaning.

## Protect your subfloor

Our reverse welding service takes one of the more highly skilled elements of the flooring installation away from the vehicle manufacturer. With our process, human error is eliminated, mitigating the risk of seam failures in service.

Keeping welds out of sight also means that they’re kept out of the way of harm – by welding on the reverse of the floor, it means that welds are protected from potentially damaging wheeled and foot traffic. A correctly heat-welded flooring seam is the best way to protect your subfloor from water ingress, and a reverse weld from Altro is an even more reliable way to take your subfloor protection one step further. A reverse weld is a stronger, better protected weld, giving sustained subfloor protection which means less downtime for maintenance.

The Altro reverse welding service is guaranteed for 3 years and stringently vacuum- and water-tested to EN 13553:2017 and DVS 2225-3, giving you peace of mind that your vehicle is protected from subfloor damage for its whole service life. With this new service, Altro’s renowned long-lasting durability now extends to the welding processes as well as the floor itself