



TractionBack[®] 2.0

Milliken[™]

THE FUTURE OF MODULAR CARPET INSTALLATION

Adhesive-Free · Clean · Healthy · Sustainable · Fast



Hoffmann Group, Nuremburg, Germany
Carpet: **Colour Compositions**

CONTENTS

Section 1: *Introducing TractionBack 2.0*

Section 2: *How does TractionBack 2.0 work?*

Section 3: *Why use TractionBack 2.0?*

Section 4: *Contact*

Introducing TractionBack 2.0

TractionBack 2.0 is a high friction coating applied to the back of Milliken carpet tiles and planks that allows clean, efficient, adhesive-free installation.

This proprietary layer is applied during the manufacturing process and has been engineered to secure the carpet to the floor, without the use of wet adhesives. This remarkable innovation also allows the carpet module to be easily lifted and replaced when required.



Carpet:
Coastline (tiles)



Carpet:
Modern Movement (planks)

No compromise on indoor air quality

TractionBack 2.0 is a formulation free of Volatile Organic Compounds (VOCs), that avoids the potentially harmful off-gassing and emissions associated with traditional adhesive systems. This makes TractionBack 2.0 a much cleaner, healthier and safer method of modular carpet installation that positively considers the well-being of both the installer and the building's occupants.

A technically advanced, proven solution

This award-winning innovation has been created by the dedicated team at Milliken's in-house, industry leading Research and Development facility. TractionBack has been used successfully around the world, for over 15 years, for clean, efficient, and sustainable Milliken carpet installations.

Fully sustainable and kinder to our planet

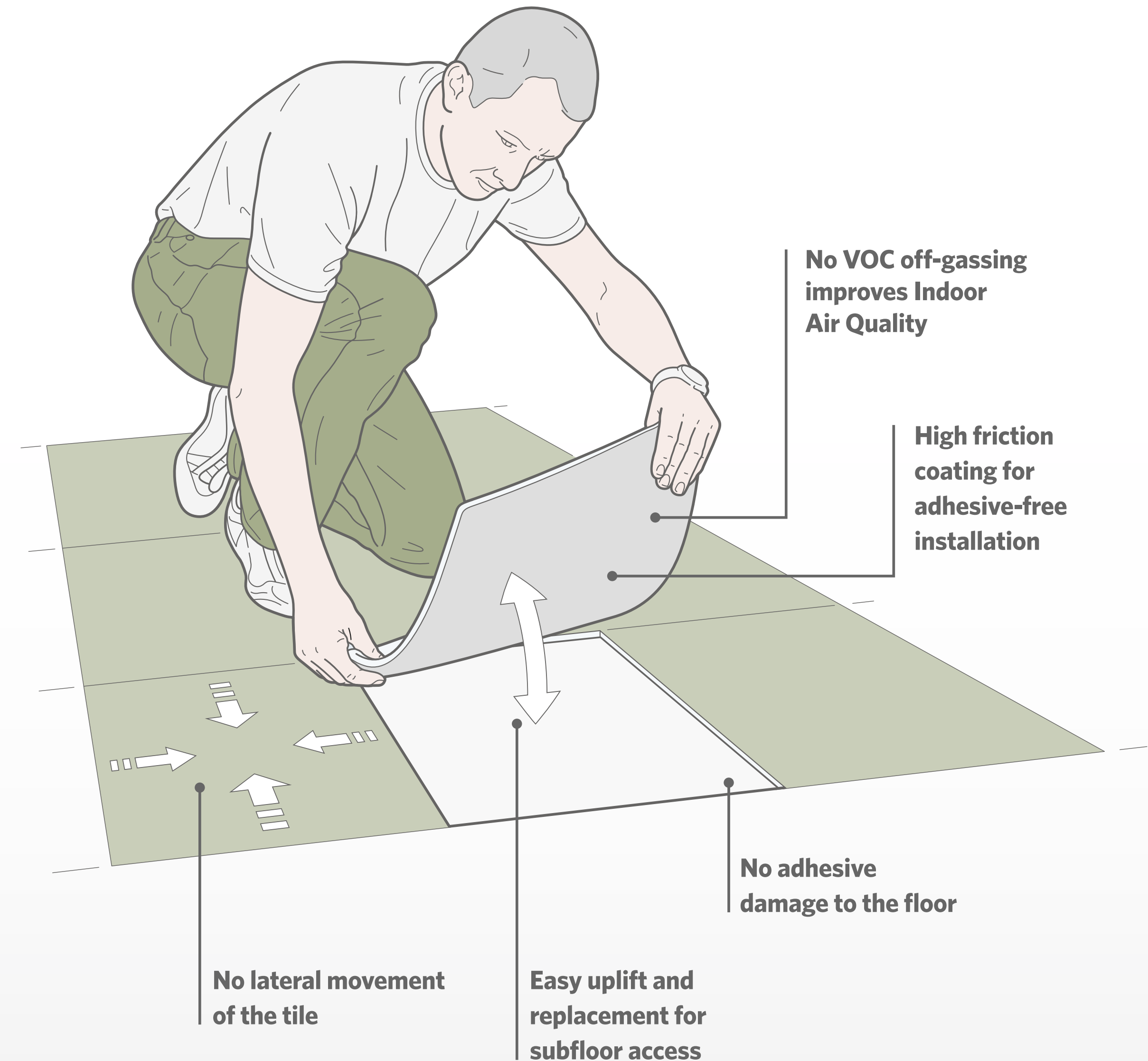
Milliken's Innovation team is committed to environmental leadership and continuous improvement of products and processes. After extensive testing, Milliken has launched TractionBack 2.0 which offers even better initial "grab" to the floor. It remains recyclable and provides a truly sustainable carpet installation solution.

How does TractionBack 2.0 work?

Milliken's unique TractionBack 2.0 formulation has been specifically engineered to create a firm grip to a clean sub-floor surface without permanently adhering to the floor. This prevents any lateral movement of the carpet tile or plank across the floor when installed.

While this invisible coating is tacky to the touch, unlike traditional wet adhesives, it **leaves no sticky residue** on the hands or on the floor. This means Milliken carpet modules can be cleanly lifted and replaced without any mess or loss of performance.

TractionBack 2.0 is applied during the carpet manufacturing process, to the **full surface of the carpet backing for maximum grip**. The coating is available, on request, on all Milliken cushion backed carpet tile and plank products.





Tripol, Lysaker, Norway
Carpet: **Wireframe / Wireframe Expressions**

Why use TractionBack 2.0?

1

Minimal impact on the planet

All Milliken modular floor covering products are already carbon neutral and recyclable.

By consuming minimal raw materials and eliminating potentially harmful Volatile Organic Compounds (VOCs) from adhesives, TractionBack 2.0 drives down the environmental impact of Milliken modular carpet even further.

- **Pre-installation floor preparation treatments are eliminated**
- **No wasteful adhesives or adhesive containers**
- **No sticky tabs or packaging**
- **No harmful VOCs**

In addition, this clean installation method is **ideally suited for recycling or reuse** of the tile or plank without adhesive contamination.

Why use TractionBack 2.0?

2

**Can be recycled
and reused**

TractionBack 2.0 is ideally suited for recycling and reuse helping to achieve a circular economy.

As a completely clean method of carpet installation, TractionBack 2.0 carpet tiles and planks do not become contaminated with the adhesives, or particles of the sub-floor, that can often hamper their recyclability. Modular carpet with TractionBack 2.0 can be recycled through **Milliken's Carpet Take Back Program**.

“Sustainability was a crucial factor in the design of this building. Milliken's carbon neutral, adhesive-free carpet with TractionBack has enabled us to keep the environmental impact of the floor covering to an absolute minimum.”

Mr Georg Kartini, Architektbüro Kartini, Includio Hotel Design Project

”



Includio Hotel, Regensburg, Germany
Carpet: **Arctic Survey, Shackleton**



Why use TractionBack 2.0?

3

**Installation is cleaner
and healthier**

With TractionBack 2.0, wet adhesives and floor sealants are largely eliminated.*

This removes any of the sticky mess and potentially harmful off-gassing of VOCs often associated with on-site drying of these preparation products.

Milliken's TractionBack 2.0 provides an **odourless, non-toxic and VOC-free alternative**. For the installer, this makes the installation of Milliken carpet a much cleaner and healthier process. For the building's occupants, there is absolutely no compromise to air quality post-installation. By eliminating VOCs TractionBack 2.0 can help achieve the WELL certification goal for clean indoor air.

*Adhesive or alternative fixing may be required on small perimeter cuts, to prevent lifting when vacuum cleaning or in areas of extreme loads or high turning points. Typically over 97% of the adhesive requirement will be eliminated.

Why use TractionBack 2.0?

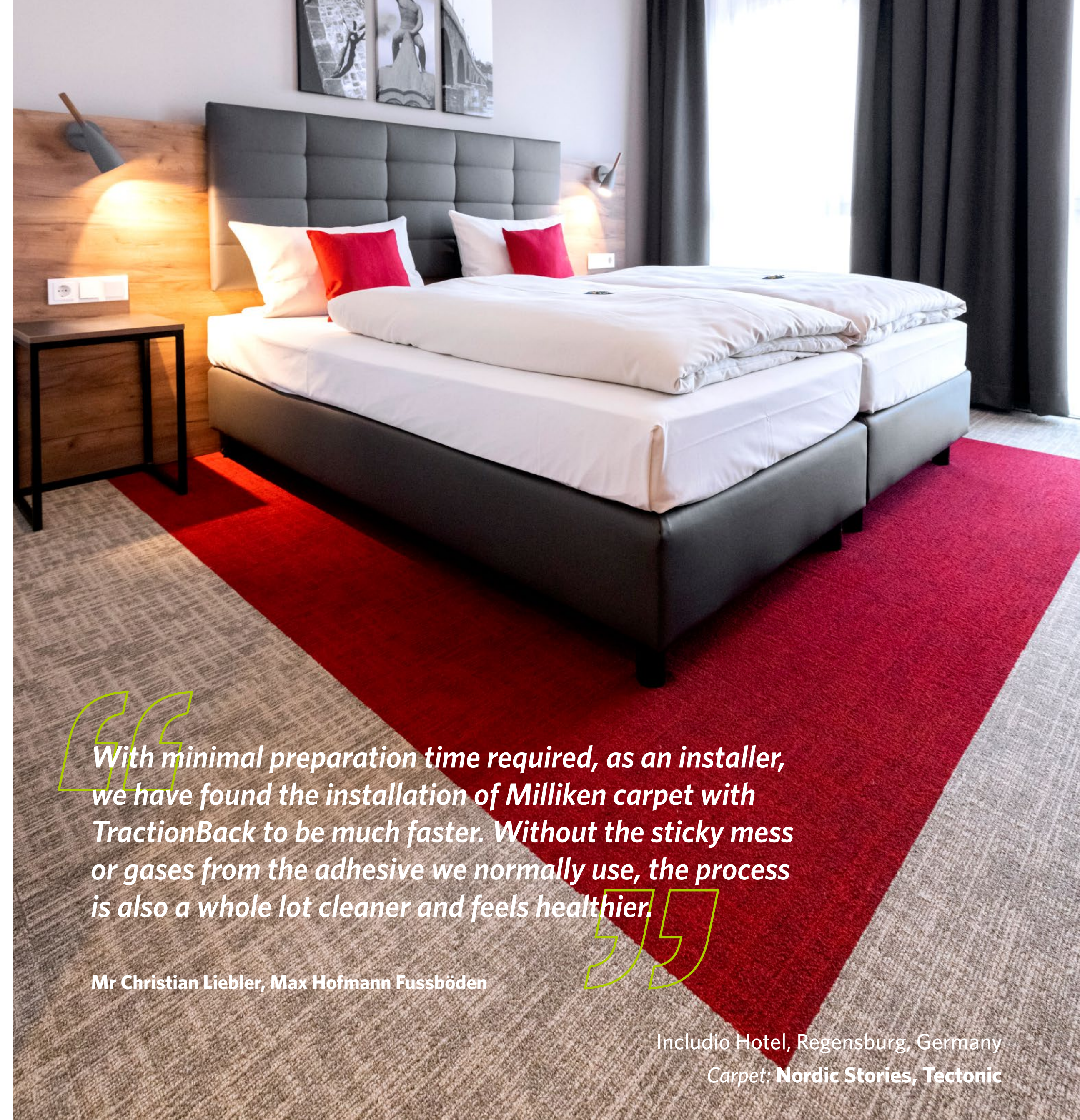
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Faster installation, reduced downtime

As TractionBack 2.0 has already been applied to the back of the tile or plank on delivery, it is ready to install straight out of the box!

TractionBack 2.0 requires no floor surface pre-treatment* or adhesives and there are no sticky tabs or similar, to deal with. This makes the installation process **so much easier and quicker** for the modular carpet installer. For the client, it also minimises the disruption and downtime associated with other traditional modular carpet installation methods.

*a thorough floor clean is required prior to installation to remove loose surface dust and debris.



“With minimal preparation time required, as an installer, we have found the installation of Milliken carpet with TractionBack to be much faster. Without the sticky mess or gases from the adhesive we normally use, the process is also a whole lot cleaner and feels healthier.”

Mr Christian Liebler, Max Hofmann Fussböden

Includio Hotel, Regensburg, Germany
Carpet: **Nordic Stories, Tectonic**



Alma Media, Helsinki, Finland
Carpet: **Colour Compositions**

Why use TractionBack 2.0?

5

Greater flexibility for phased installations

*TractionBack 2.0 takes considerably less time to
install than conventional carpet installations.*

Whether the carpet is for a new build or a refurbishment, carpet with TractionBack 2.0 allows much greater flexibility for project managing carpet installations. This means it can be **more easily scheduled into an interior fit-out program** or worked around a client's on-site day-to-day business requirements.

*“Milliken’s adhesive-free TractionBack has made the carpet
installation process very efficient, clean, and ultimately
healthier for our employees and guests using the building.”*

Mrs Helga Butendeich, Includio Hotel, Regensburg, Germany

Why use *TractionBack 2.0*?

6

Maintenance couldn't be easier

TractionBack 2.0 carpet modules can be simply lifted and replaced.

If carpet tiles or planks become damaged, they can be easily removed without leaving sticky adhesive residues on the sub-floor.

For raised floors, **access to the sub-floor is quick and convenient** as carpet can be lifted and easily replaced multiple times, without any loss of grip.



Berner, Helsinki, Finland
Carpet: Naturally Drawn, Hand Sketched



LähiTapiola Insurance, Turku, Finland
Carpet: **Artistic Liberties, Without Reserve**

Why use *TractionBack 2.0*?



Sub-floor protection

*Installed **TractionBack 2.0** tiles cause no damage to the sub-floor.*

For buildings with a high frequency of occupancy change, building owners can find that sub-floors become contaminated with layers of adhesives and become damaged over time. Ridges can form with dirt and debris becoming embedded in the surface which is costly to repair or replace.

Milliken carpet with **TractionBack 2.0** offers the **perfect solution**, whether required to protect raised access sub-floors or something more precious such as marble or parquet.

When the carpet is lifted normal buffing returns the floor to its original condition.

Why use TractionBack 2.0?

8

TractionBack 2.0 saves time and money

With TractionBack 2.0 modular carpet installation there are no additional materials to order.

As the TractionBack 2.0 coating is already applied to the tile or plank, there is no need to purchase any additional adhesives, tapes or sticky tabs in order to install the carpet.

At the end of the installation process, apart from recyclable tile boxes, there is nothing further to dispose of, no additional materials or their packaging.

As well as **material cost savings, considerable labour savings** can also be made on time for floor preparation and carpet fitting compared to alternative installation methods.



Borgeskogen 30, Vestfold, Norway
Carpet: **Wireframe**

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