MONDO

TRANSPORTATION



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MONDO was founded in Alba, Italy, in 1948, and in 70 years of history has become an international Group with 9 production plants in Italy, Spain, Luxembourg and China and sales subsidiaries in Europe, North America and Asia. The acquisition of Artigo, with its rich heritage of research started within the prestigious Pirelli Group in the 1920s, has resulted in cutting-edge technology for the production of rubber flooring for various sectors.

For more than 50 years, the Mondo Transport division has been producing and supplying their rubber floor covering worldwide for rail transportation vehicles like trains, metros, trams.

A flooring collection characterized by exceptional aesthetic variety, unique technical performance, and a continuous quest for innovation. Cutting-edge technology and specialized personnel support the demanding customers of this sector by offering exclusive solutions with the highest degree of customization.

Rubber is a raw material with few rivals where resilience and basic elasticity are concerned. Using advanced processes that perfect its characteristics we are able to increase its technical performance in Mondo Group's factories, rubber is vulcanized by cutting-edge and unique production lines which turn it into very high-performance, wear-resistant and long-lasting surfaces with multiple and unique surface textures and aesthetic solutions.

A journey dedicated to experimentation and continued research, a company that has been continuously active for almost a century, new and increasingly high-performance solutions and aesthetic interpretations that are constantly evolving.

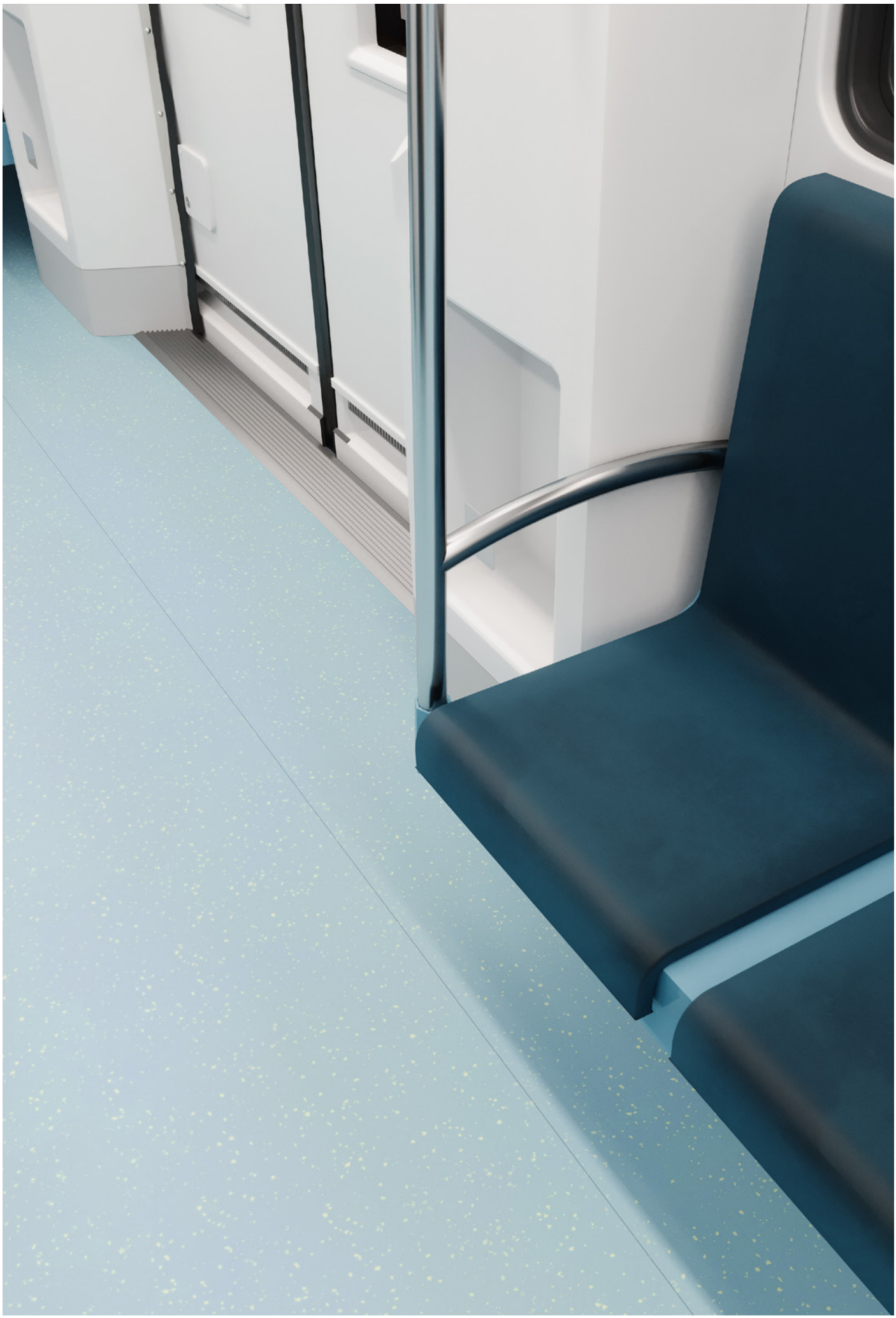
MONDO nasce ad Alba, in Italia, nel 1948, ed in 70 anni di storia è diventata un Gruppo internazionale con 9 stabilimenti produttivi in Italia, Spagna, Lussemburgo e Cina e consociate di vendita in Europa, Nord America e Asia. L'acquisizione di Artigo, con il suo ricco patrimonio di ricerca avviato all'interno del prestigioso gruppo Pirelli negli anni '20, ha dato vita ad una tecnologia all'avanguardia per la produzione di pavimentazioni in gomma per vari settori.

La divisione Mondo Transport produce e fornisce da oltre 50 anni in tutto il mondo rivestimenti in gomma per pavimentazioni destinati ai mezzi di trasporto su rotaia quali treni, metropolitane, tram. Una collezione di pavimentazioni caratterizzata da un'eccezionale varietà estetica, prestazioni tecniche uniche, e da una continua ricerca dell'innovazione. Una tecnologia all'avanguardia e personale specializzato che accompagnano l'esigente clientela di questo settore offrendo soluzioni esclusive con il massimo grado di personalizzazione.

La gomma è una materia prima con pochi eguali per resistenza ed elasticità di base, capace di aumentare le proprie performance tecniche attraverso processi evoluti che ne perfezionano le caratteristiche; negli stabilimenti del Gruppo Mondo la gomma viene vulcanizzata da linee di produzione all'avanguardia e uniche al mondo, dando così origine a superfici ad altissime prestazioni, resistenti all'usura e durevoli nel tempo, con molteplici ed uniche textures superficiali e soluzioni estetiche. Un percorso di sperimentazione e ricerca costante, una storia aziendale alimentata ininterrottamente da quasi un secolo, tra nuove soluzioni sempre più performanti e interpretazioni estetiche in continua evoluzione.










NA FARMIE





















TECHNICALS

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DESIGN, CUTTING AND KITTING

Mondo can supply rubber flooring cut to pre-requested sizes or into kits to speed up the installation process. Cutting process is by a special technology that does not cause any deformation of the flooring. Perfect joints between pieces are ensured. The technology allows to cut logos and complicate patterns.

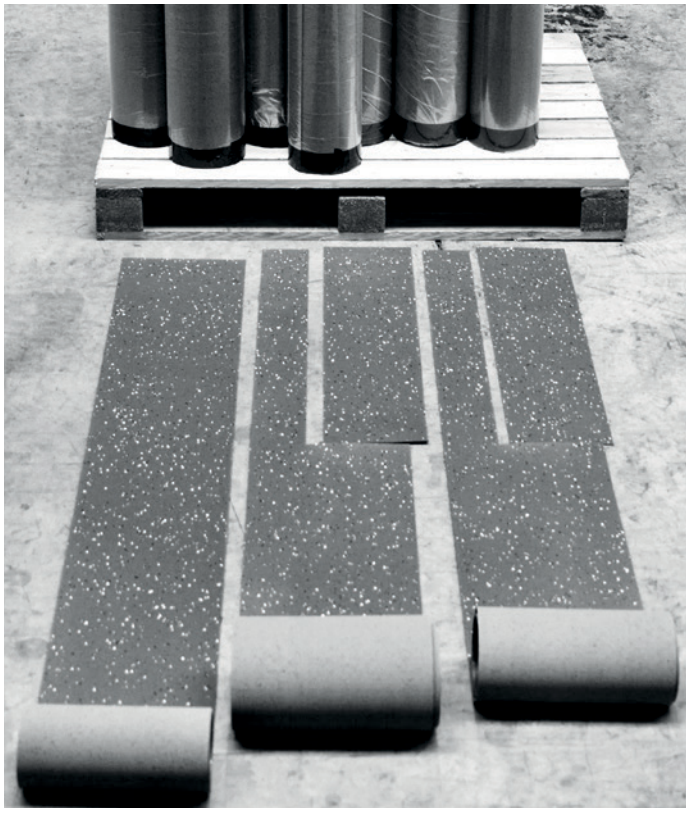
Mondo è in grado di fornire le pavimentazioni già tagliate su misura o in kit per accelerare le operazioni di installazione. Il taglio viene effettuato con una speciale tecnologia che non causa alcuna deformazione del pavimento. È garantita la perfetta giunzione fra i pezzi. La tecnologia di taglio permette di realizzare loghi e disegni sofisticati.













LOGOS

Mondo is able to produce logos and colored inlays integrated into the floor, also into the rubber rolls, in order to minimize the joints between the various parts covering the vehicle area. The integrated logos prevent water and moisture from filtering through the floorcovering in order to protect the substrates on which they are laid.

Mondo è in grado di realizzare loghi ed intarsi colorati integrati nel pavimento, anche di grandi dimensioni e all'interno dei rotoli in gomma, al fine di minimizzare le giunzioni tra le varie parti che ricoprono la cassa del vagone. I loghi integrati evitano che acqua ed umidità filtrino attraverso il rivestimento in gomma al fine di proteggere i sottofondi sui quali è posato.





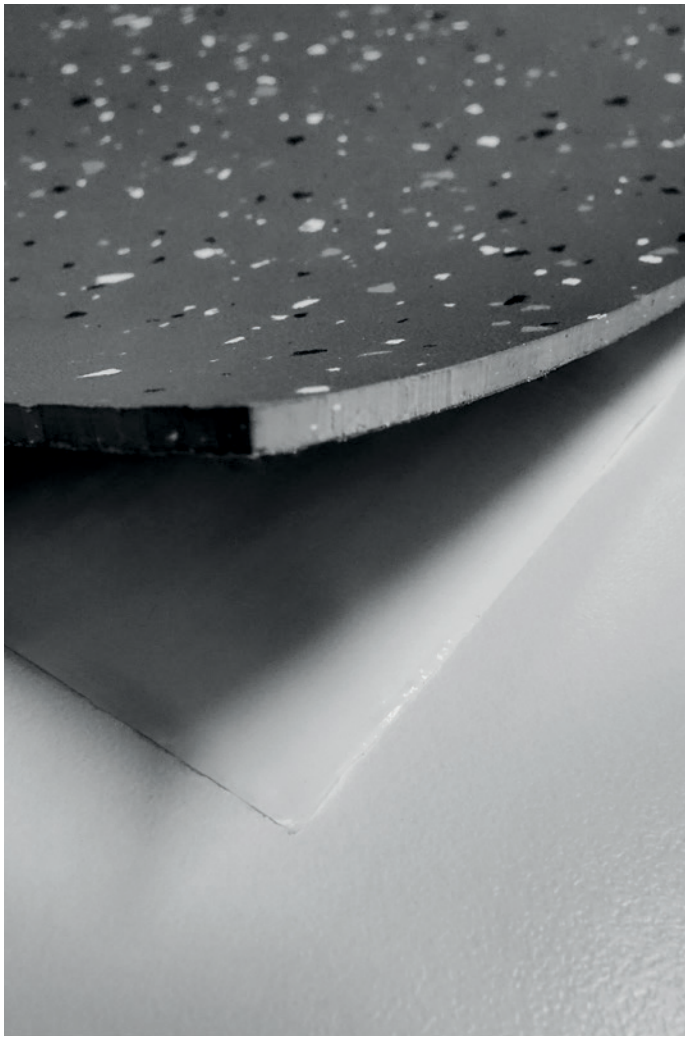




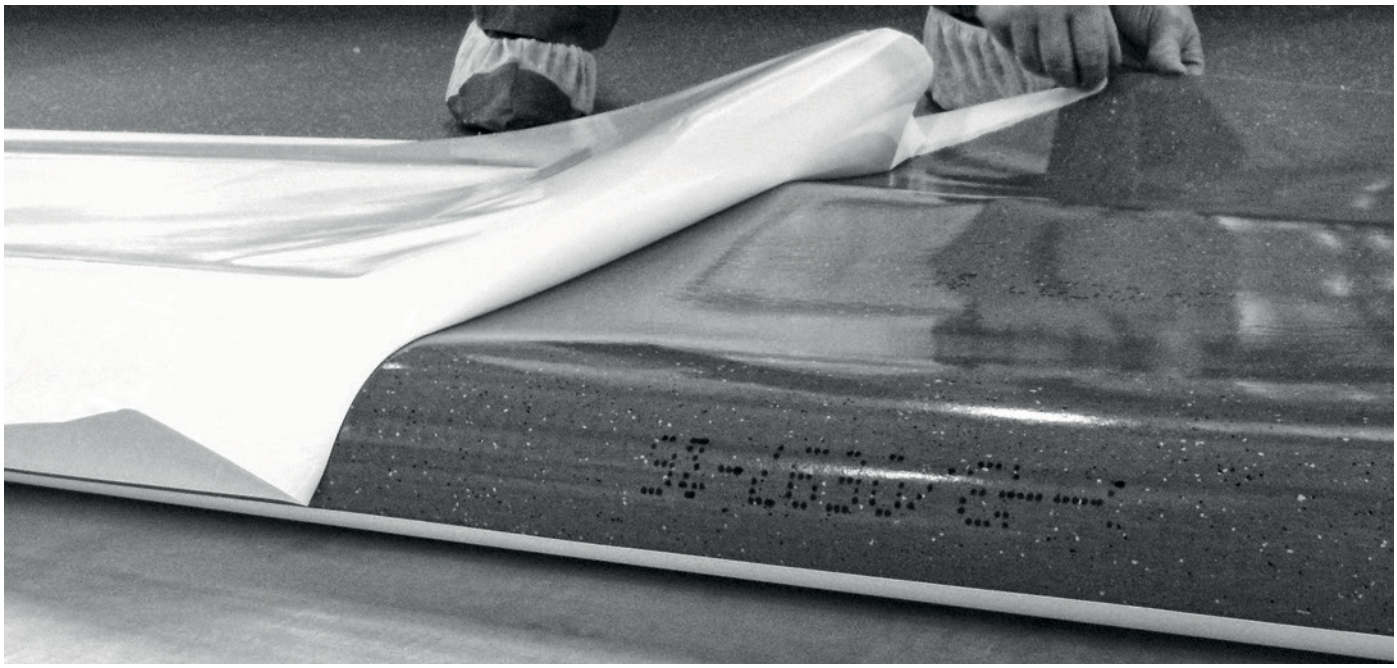
ADHESIVE BACKING Q-FIX

Launched in 2011, the Q-Fix Mondo floors with adhesive backing are the ideal solution for installation in all means of transport. All types of flooring can be available with adhesive up to a maximum width of 2 meters, a unique feature that only Mondo can offer. Installation is simple and adhesion is immediate, to avoid the long waiting times of traditional adhesives.
The emission of VOC is extremely reduced compared to two-component or solvent based adhesives.

Introdotti nel 2011, i pavimenti auto-adesivi Q-Fix di Mondo rappresentano la soluzione ideale per la posa all'interno di tutti i mezzi di trasporto. Tutte le tipologie di pavimento possono essere adesivate fino alla larghezza massima di 2 metri, una caratteristica unica che solo Mondo può garantire. La posa è semplificata e l'adesione è immediata, per evitare i lunghi tempi di attesa dell'adesivo tradizionale.
L'emissione di VOC è estremamente ridotta rispetto ad adesivi bi-componente o in solventi.

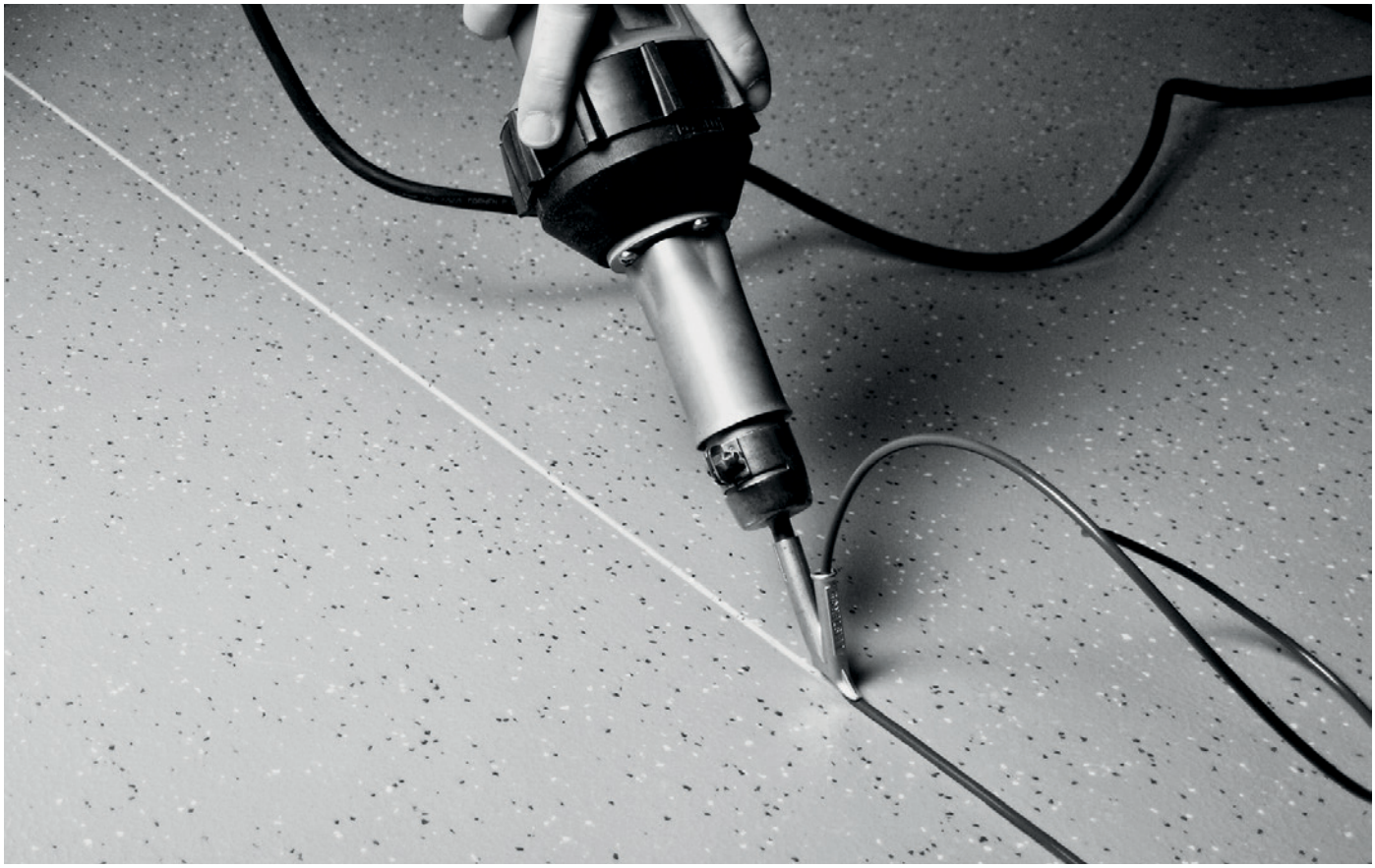


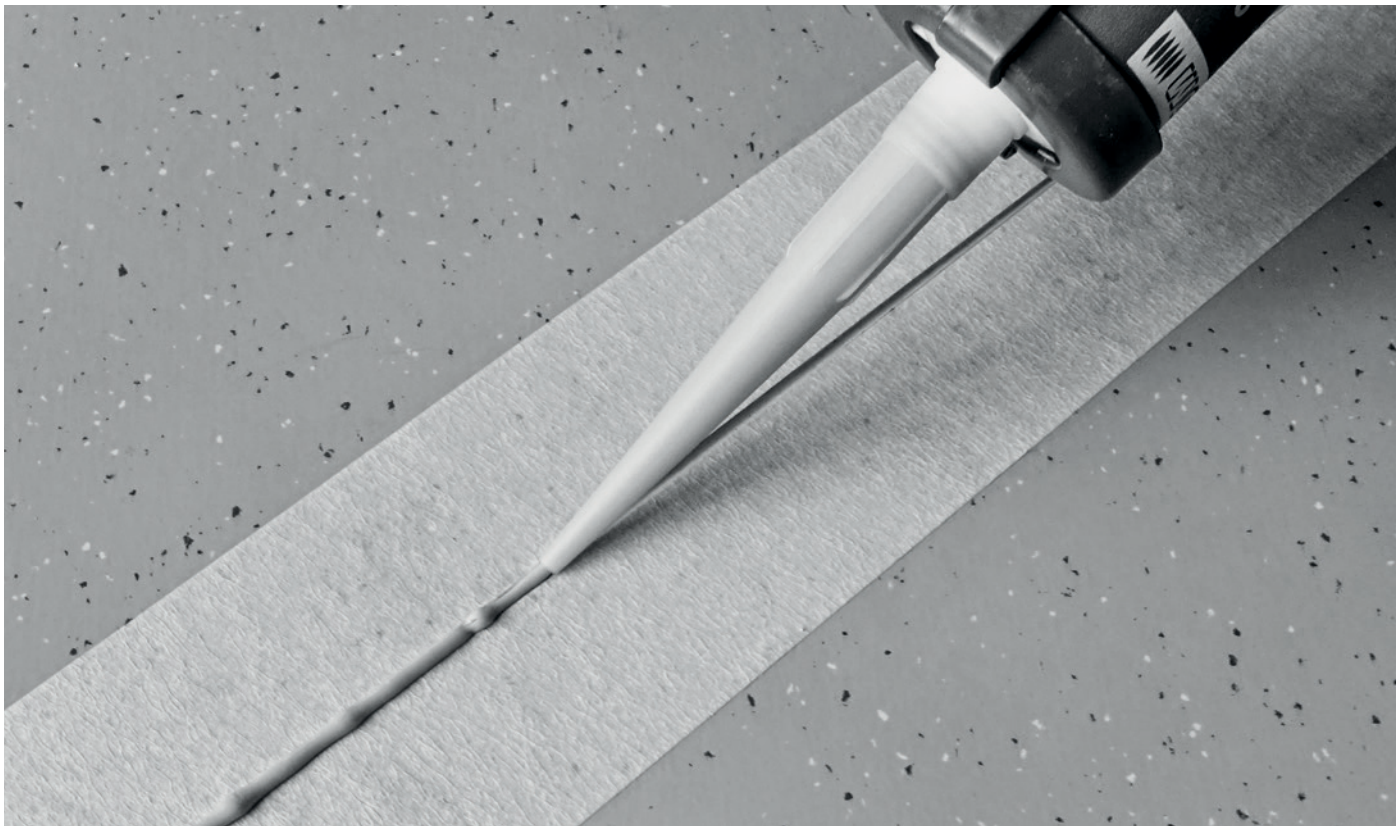




ABOVE: hot sealing seam edging.
BELOW: cold sealing with Elastjoint

IN ALTO: sigillatura a caldo tramite specifico cordolo.
IN BASSO: sigillatura a freddo con sigillante Elastjoint



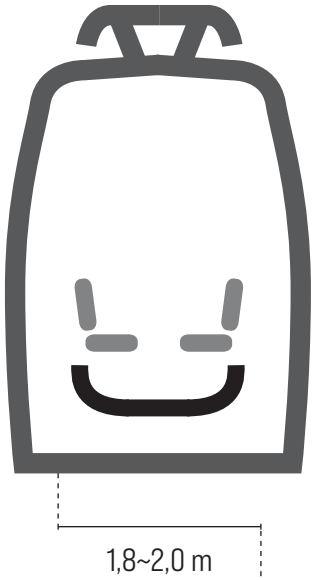


ROLLS UP TO 2 M WIDE

The majority of Mondo Transport floorings can be produced on the exceptional 2 m width; this solution guarantees a reduction of joints or the possibility of placing them in an area protected from foot traffic.

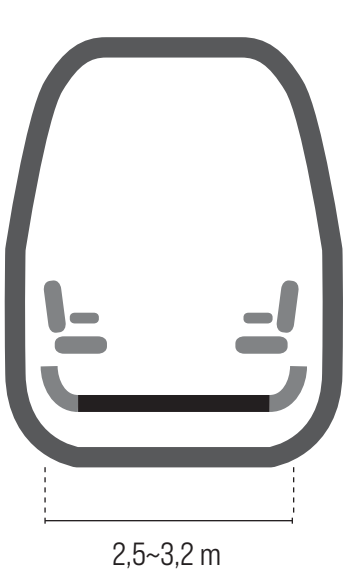
La maggior parte delle pavimentazioni Mondo può essere realizzata nell'eccezionale larghezza di 2 metri: una soluzione che garantisce una significativa riduzione del numero di giunzioni o il posizionamento delle stesse in una zona a basso calpestio.

TRAM / LRV

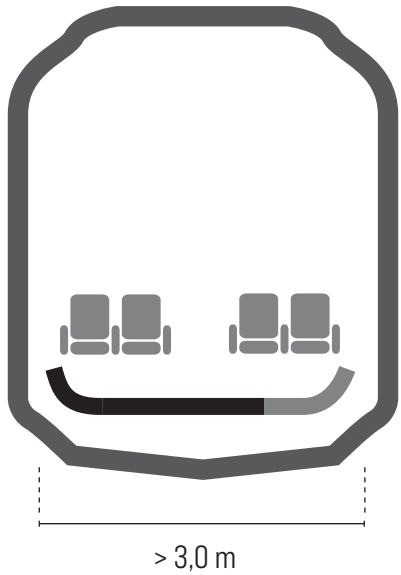


installation of one single roll with no joints
installazione di un unico rotolo senza giunti

TRAIN / METRO



a single central wide roll
pavimentazione centrale in un unico pezzo



50% reduction of joints
riduzione del 50% delle giunture

· The anti-fatigue properties of rubber flooring are due to the unique elasticity of rubber
· Homogeneous structure that guarantees a long operational life
· High stability resistance to temperature changes (EN 434 < 0,4%)
· Resistant to cigarette burns in accordance with EN 1399
· Resistant to the commonly used cleaning products in accordance with EN 423
· Abrasion resistance in accordance with ISO 4649 and NF F 31-812
· Resilience that lasts over time
· Surface structure that facilitates maintenance

· Le proprietà anti-affaticamento delle pavimentazioni in gomma sono garantite dalle proprietà elastiche uniche della materia prima
· Costruzione omogenea che garantisce una lunga vita operativa
· Alta stabilità dimensionale ai cambiamenti di temperatura (EN 434 <0,4%)
· Resistenza alle bruciature di sigaretta in conformità alla norma EN 1399
· Resistenza agli agenti chimici normalmente presenti nei prodotti di pulizia conforme alla norma europea EN 423
· Resistenza all'abrasione conforme alle norme ISO 4649 e NF F 31-812
· Caratteristiche di resilienza perduranti nel tempo
· Struttura superficiale che facilita la manutenzione

Fire/smoke behaviour

Mondo floors are created to meet the most demanding international standards where behaviour to fire and smoke generation are concerned. The following is a list of all international standards for which Mondo products have successfully been approved to.

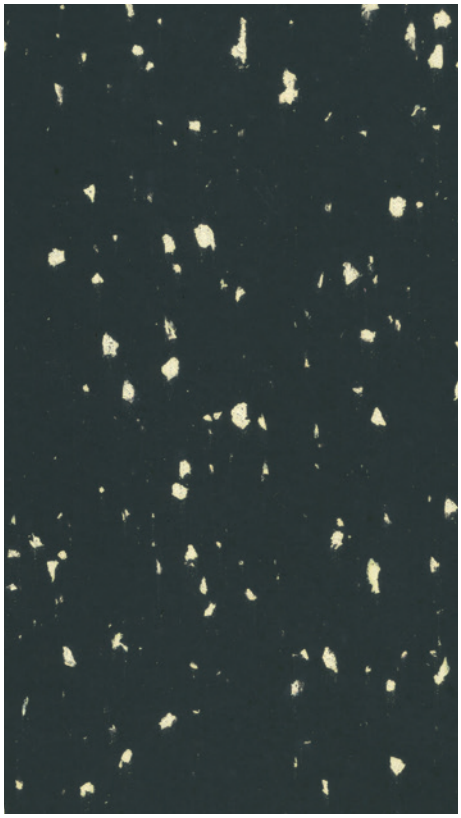
Europe
EN 45545-2 R10 set: HL1 – HL2 – HL3

USA
NFPA 130

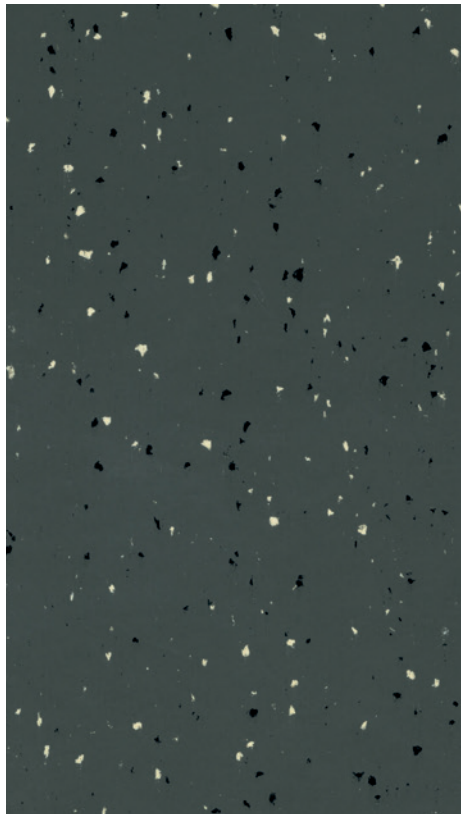
Comportamento fuoco/fumo

I pavimenti in gomma Mondo sono sviluppati per rispondere alle stringenti normative relative al comportamento al fuoco/fumo in caso di incendio. La seguente lista non esaustiva rappresenta alcuni dei test superati dai nostri prodotti.

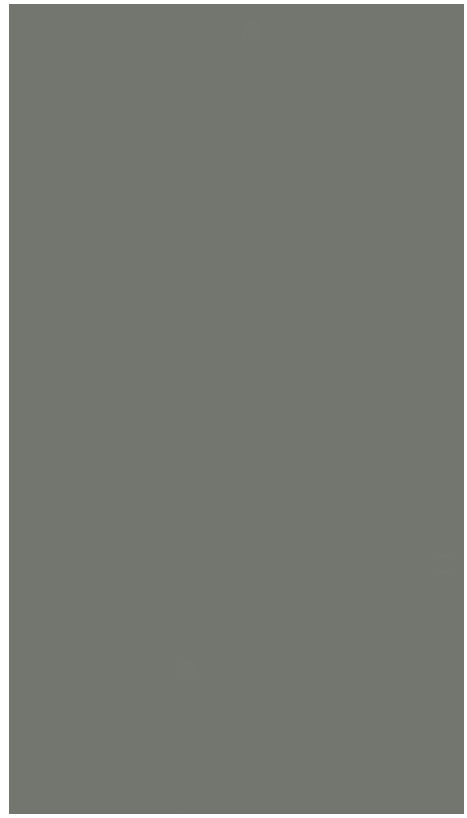
FLOORS WITH TEXTURED SURFACES



GRAIN



GRANITO



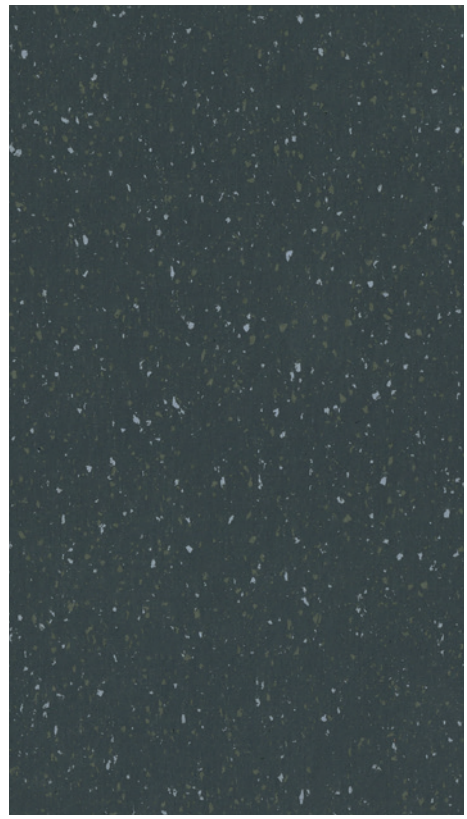
UNI



ALBA

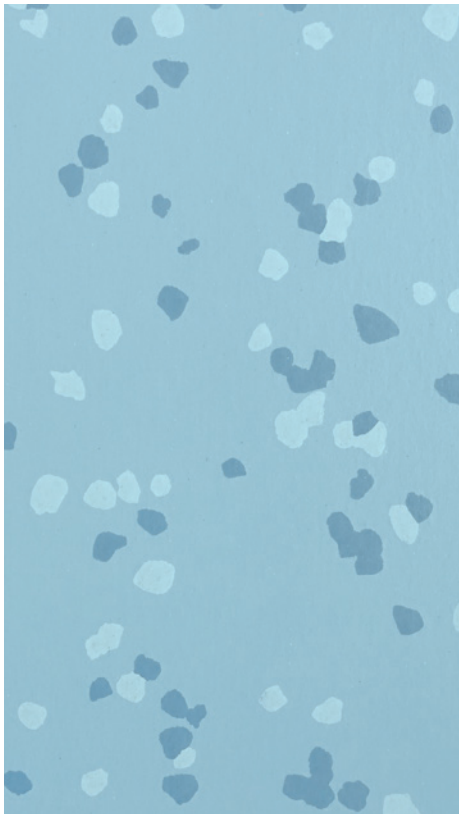


LAVA

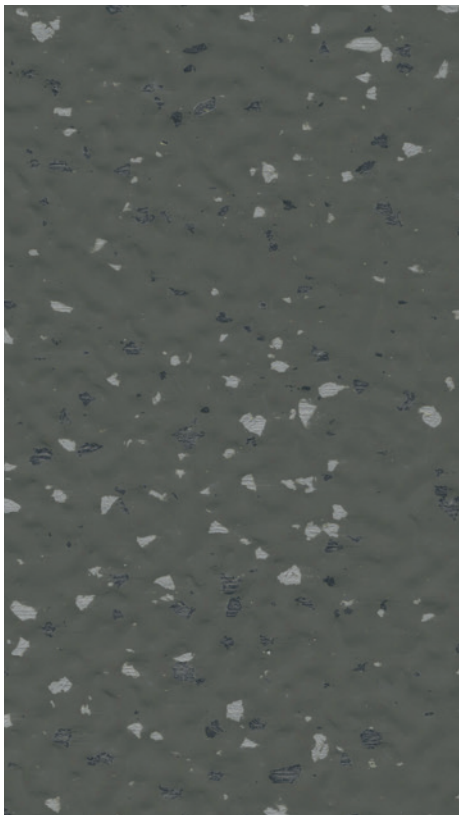


DHARMA

TEXTURES



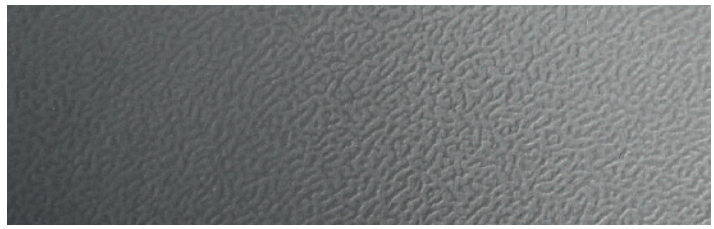
SPOTFLOOR



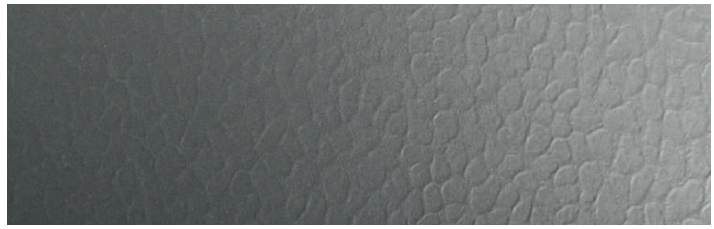
ZEUS



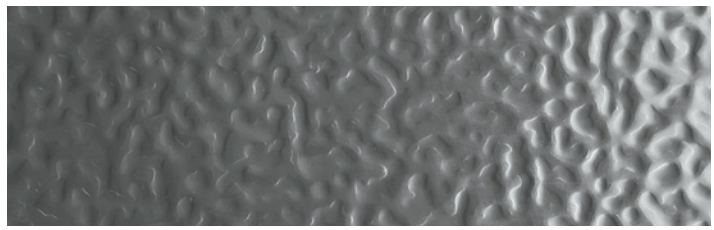
SMOOTH / LISCIA



EMBOSSED / GOFFRATA



HAMMERED / MARTELLATA



HAMMERED ZEUS / MARTELLATA ZEUS



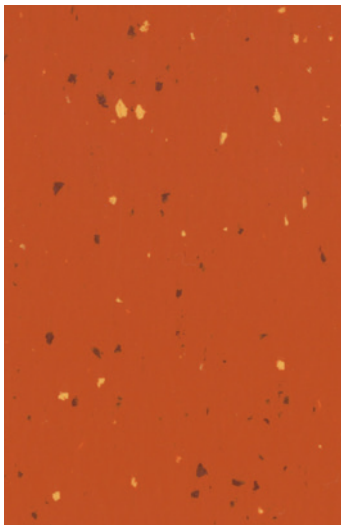
PC10

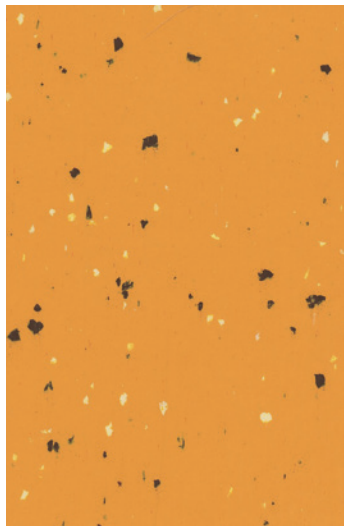


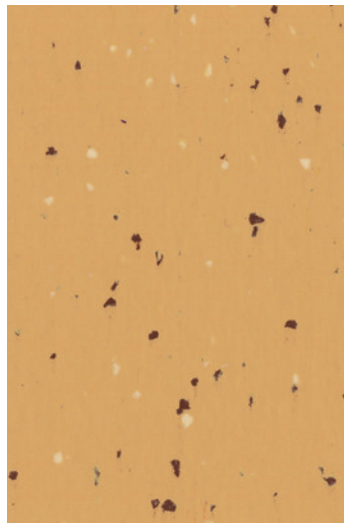
LAVA (BS)

GRANITO

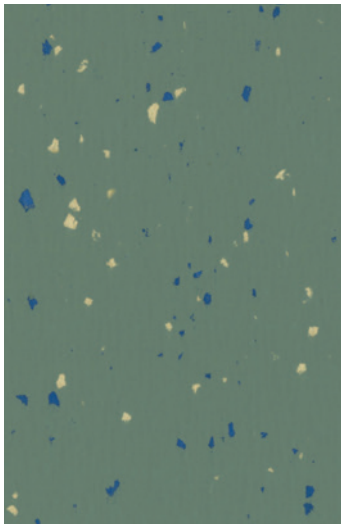
Rubber flooring with multicoloured granules
Pavimento in gomma con finissimi grani multicolori

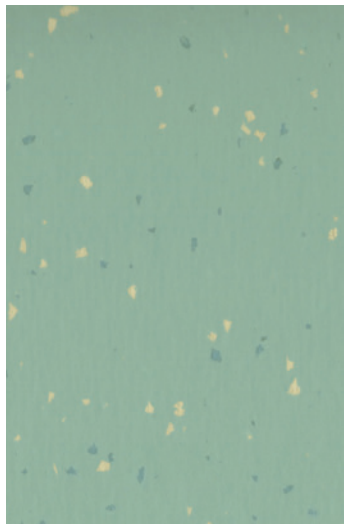

G 367

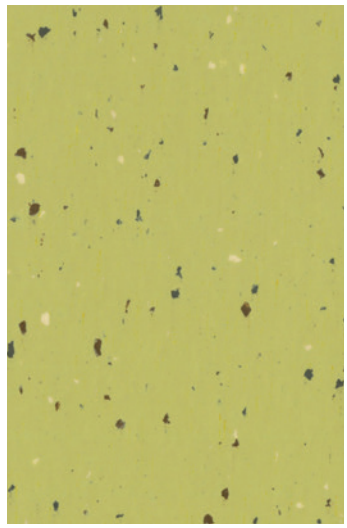

G 472


G 365


G 363

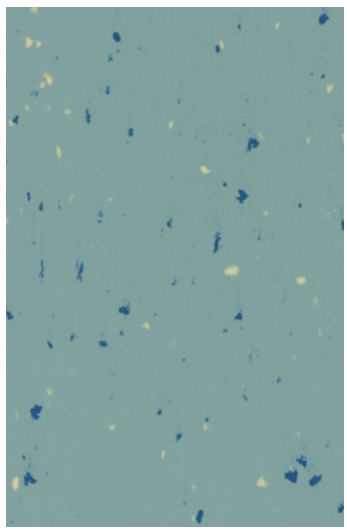

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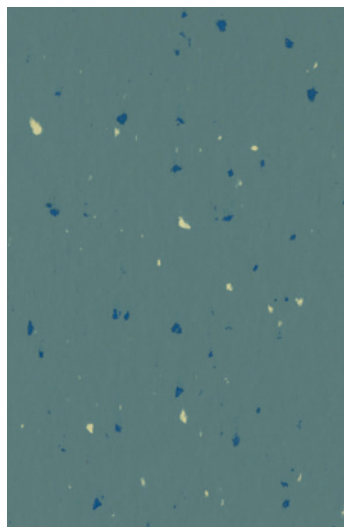

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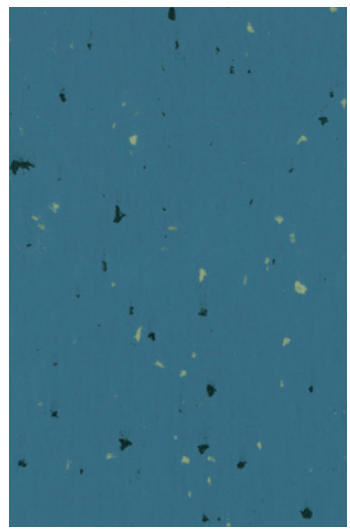

G 473


G 315


G 370

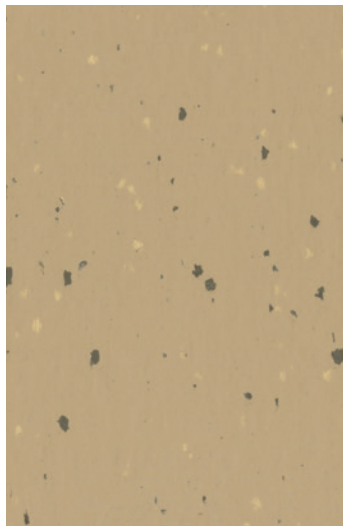

G 371


G 372

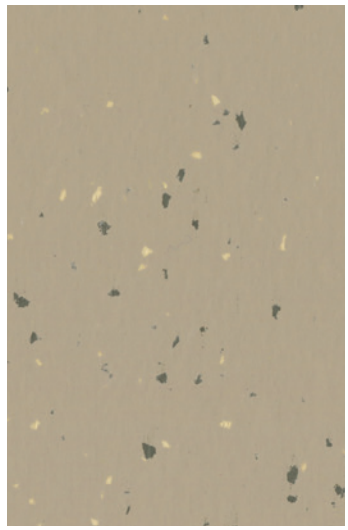

G 342



G 479



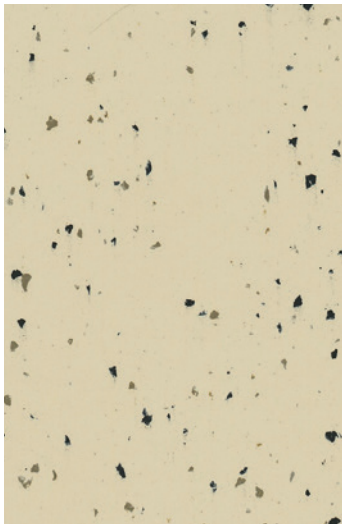
G 475



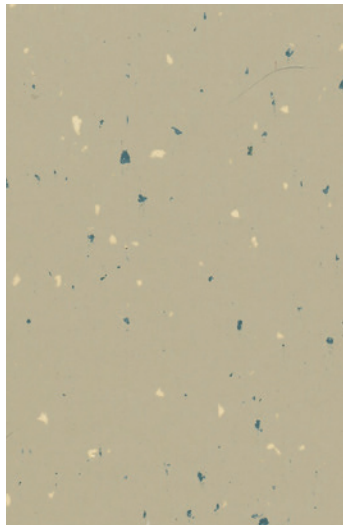
G 368



G 474



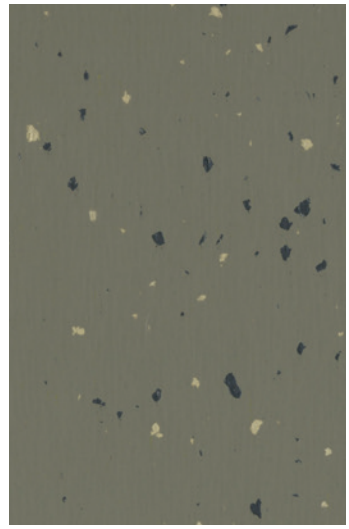
G 431



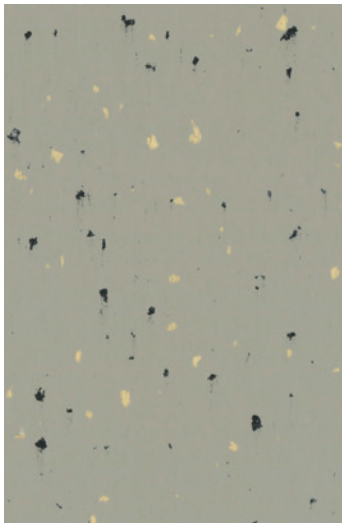
G 480



G 478



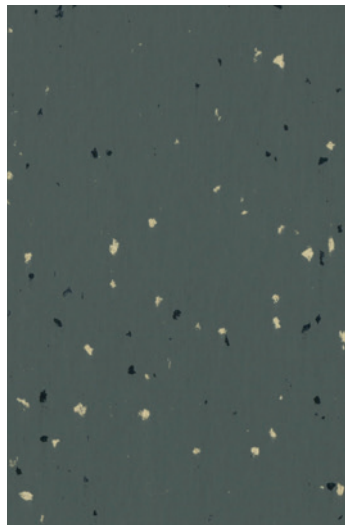
G 477



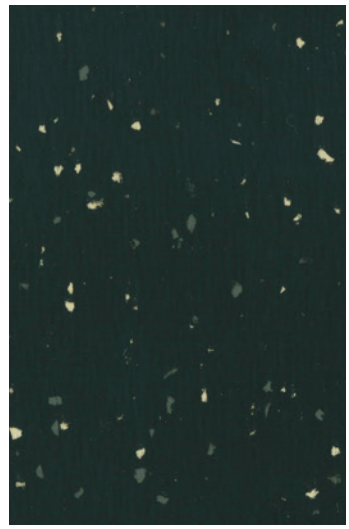
G 305



G 306



G 308



G 476

GRAIN

Rubber flooring with multicoloured granules
Pavimento in gomma con grani multicolori


HG 511


HG 512

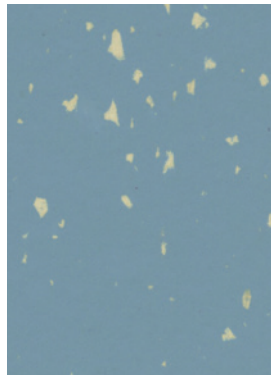

HG 513

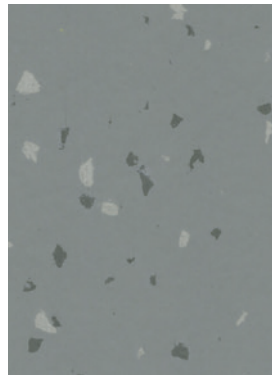

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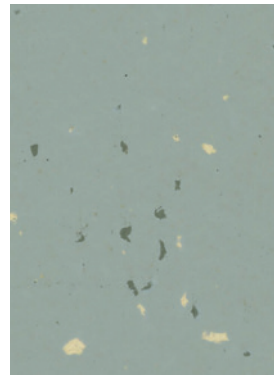

HG 509


HG 515


HG 516

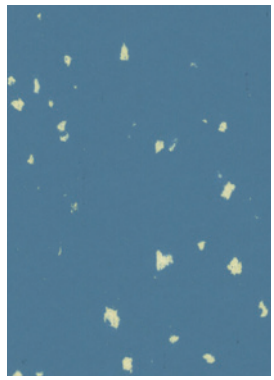

HG 517

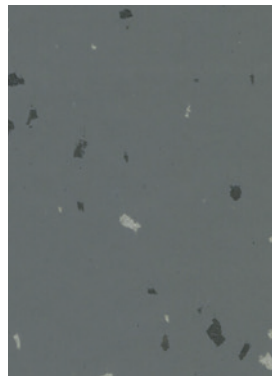

HG 504

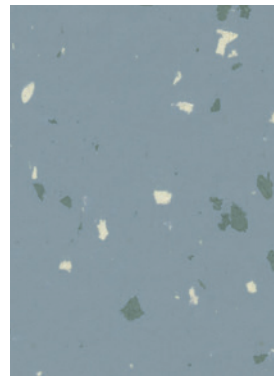

HG 505


HG 519

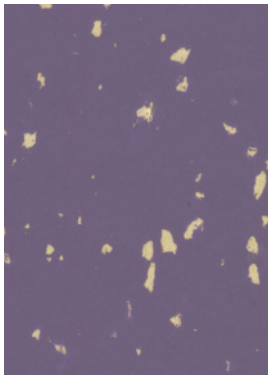

HG 520

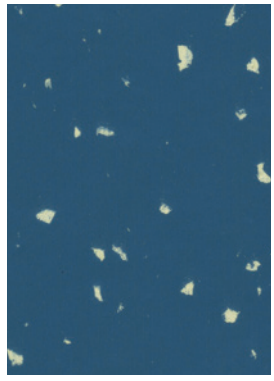

HG 521


HG 500

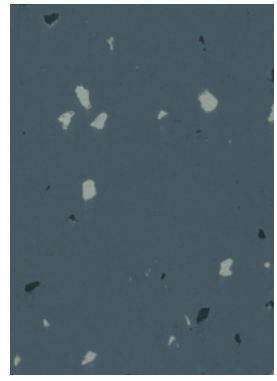

HG 501


HG 523


HG 524


HG 525


HG 496


HG 497

DHARMA

Rubber flooring with micro granules
Pavimento in gomma con micro granuli

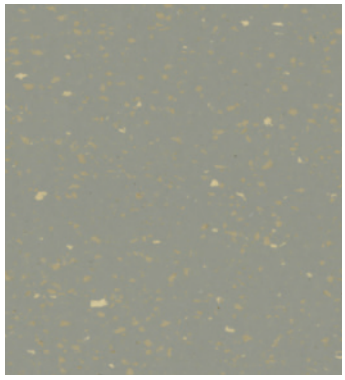

D 19 Pompei


D 20 Papaya

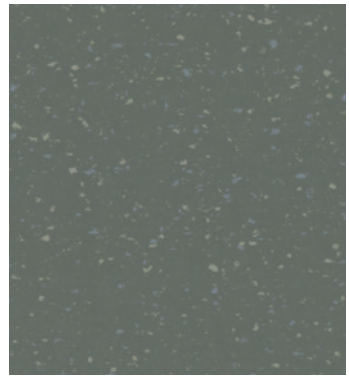

D 18 Saffron


D 17 Cedar


D 12 Vanilla

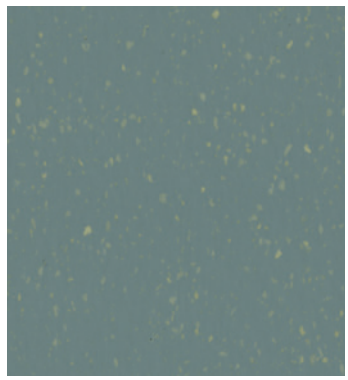

D 11 Musk

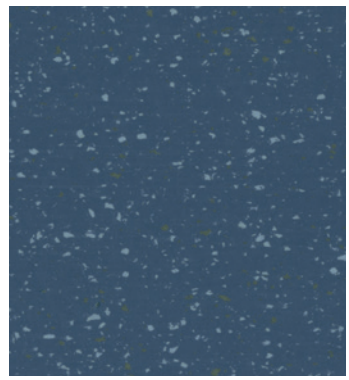

D 09 Ash

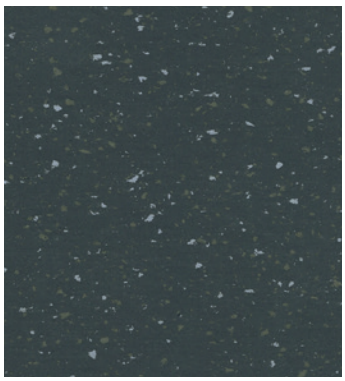

D 04 Elephant


D 10 Moon


D 08 Air


D 06 Island


D 05 Midnight


D 03 Seal


D 01 Onyx

LAVA

Rubber flooring with stone effect embossed surface
Pavimento in gomma con superficie goffrata con effetto pietra



L 16 Erebus



L 17 Sajama



L 18 Meru



L 06 Fuji



L 01 Merapi



L 05 Etna



L 19 Kronotsky



L 03 Vesuvio



L 02 Teide

ALBA

Rubber flooring with linear marbling
Pavimento in gomma con marmorizzazione lineare



11653



11654



11177

UNI

Rubber flooring in solid colours
Superficie in tinta unita



U 107 Lime



U 105 Tangerine



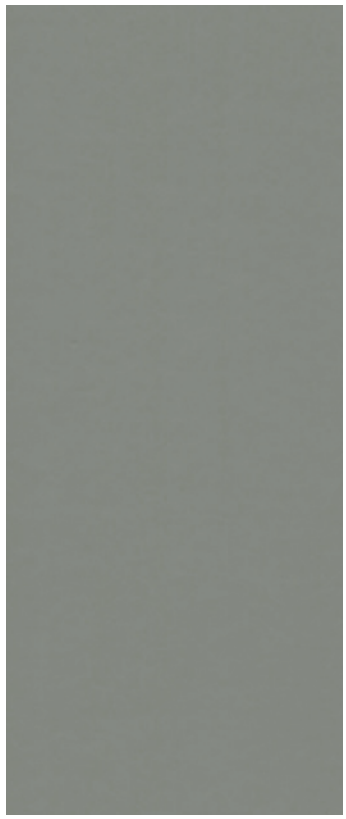
U 108 Canary



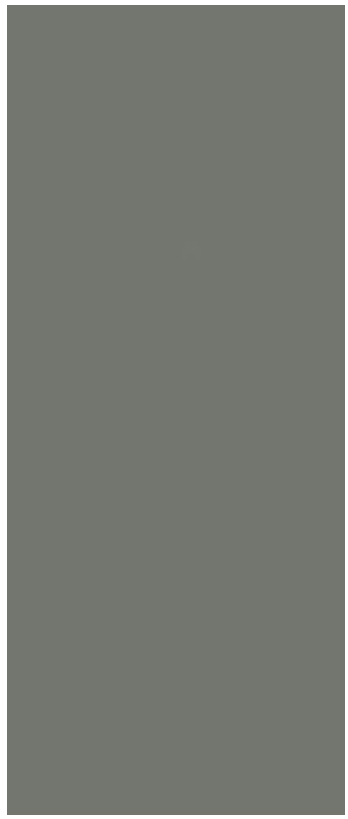
U 130 Crimson



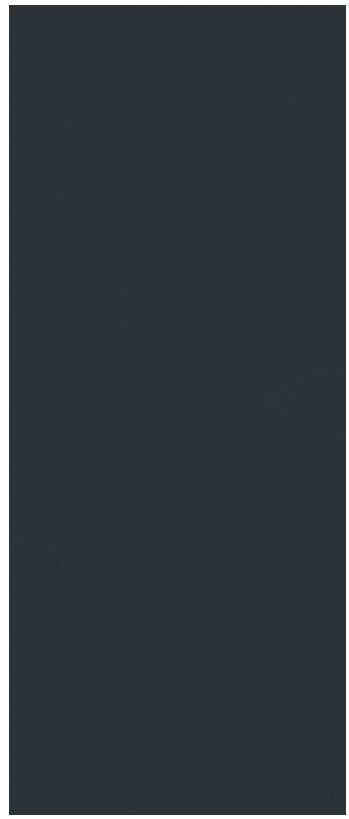
U 109 Pearl



U 20 Smoke



U 17 Metal



U 110 Slate

Argentina	Metro Buenos Aires Sbase
Australia	Xtrapolis Melbourne, Tram Sydney
Austria	Poestlingberhbahn, Innsbruck, Linz, Graz, ÖBB Talent, ÖBB Regional Kiss, Westbahn Kiss, Flexity for several cities
Belarus	Intercity
Belgium	Trains SNCB M6, M7, AM75, AM80
Bosnia	Sarajevo Flirt
Brazil	Metro São Paulo, Metro Rio, Tram Fortaleza, Rio Supervia, Trains CMSP, CPTM
Canada	Via Rail
Chile	Metro Santiago
China	Several metro lines of Beijing, Changsha, Chengdu, Fuzhou, Hong Kong, Jinyidong, Nanjing, Nanning, Shenyang, Shanghai, Xian, Wuhan, Taipei, Taiwan Railways, Taiwan Shinkansen, Taiwan Intercity Express, Tram Kaoshiung
Colombia	Metro Medellin
Czech Rep.	CD Jet 182, Leo Express
Denmark	Metro Copenhagen
Egypt	Metro El Cairo
Estonia	Tram Tallin
Finland	Tram Helsinki, Helsinki Flirt, VR
France	Sncf Regiolis, Regio 2N, MP14, Nat, Ttng, Transilien, Rer B, Tgv, Agc, Rer Ng, Eurotunnel, Tram Nice, S.Etienne, Besancon, Metro Marseille, Lille
Germany	Tram Augsburg, Karlsruhe, Krefeld, Bremen, Freiburg, DB ET424 Netz Köln, ET490 SBahn Hamburg, DB, Umbau
Greece	Metro Attiko II/III
Hungary	Metro Budapest, Trains MÁV Magyar Államvasutak, GySEV
India	Metro Mumbai, Bangalore, DMRC, Agra Kanpur, Rtts
Iran	Trains Iran
Israel	Tram Jerusalem
Italy	Trenitalia, Treni Pop, Caravaggio Rock, Jazz, Minuetto, Vivalto, NTV, ETR1000, HMU, Metro Milano, Roma, Genova, Napoli, Ferrovie Appulo Lucane, Torino , Firenze , Ferrovie Nord Milano, Tram Latina, Padova
Japan	Metro Seibu, Tobu Line, Metro Tokyo No13L, Tsukuba Line, JR Kyusyu, Nex Narita Express, JR East, JR East E353, Hibiya Line

Korea	Daegu Monorail, Onyang Line, Metro Incheon , Knr
Luxembourg	Tram Luxembourg, Cfl
Malaysia	Kuala Lumpur, Ktm Komuter
Mexico	Mexico City, Commuter trains Toluca
Netherland	Metro Amsterdam, Icng, Tram Utrecht, West Flanders, Antwerp, Trains NS, Trains Arriva
N.Zealand	Trains Auckland
Norway	Nsb, Tram Oslo
Panama	Trains Panama
Philippines	Dmu
Poland	Lodtz, Trains Pkp, Trains Flirt
Portugal	Porto
Qatar	Tram Lusail
Romania	Tram Bucharest
S.Arabia	Metro Riyad
Senegal	Regiolis Dakar
Serbia	Trains Flirt, Tram Belgrade
Singapore	Metro Lines Ccl, Nel, Dtl, Ewl, Nsl
Slovakia	Kiss ZSSK
Slovenia	Trains Flirt
Spain	Tram Tmb, Zaragoza, Barcelona, Mallorca, Metro Madrid, Barcelona, Granada, Malaga, Trains Civia, Renfe, Euskotren
Sweden	Metro Stockholm, Trams Stockholm, Lund, Trains Regina
Switzerland	BLS, SBB Evo, SBB Kiss, ETR610, Trains SBB Flirt, Dosto, Kiss
Tunisi	Emu, Sncft
Turkey	Metro Ankara, Marmaray, Yenikapi, Istanbul, Tram Antalya, Izmir, National Electric Trainste, Dmu
UK	Metro Manchester, Tyne and Wear, Tram Birmingham, Newcastle, Edinburgh, West Midlands, Trains Merseytravel
USA	Caltrain, Amtrak
Venezuela	Caracas

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