

DESSO

AirMaster[®] Earth & Tones

CARPET TILES

Clears
the Air[®]

 Tarkett

Functionality

Innovation
to improve
people's
health and
wellbeing

Today, most people spend 90% of their time indoors. This makes it imperative that we create healthy interiors. As a supplier of flooring solutions, we believe it is our responsibility to develop products that contribute to a healthier living and working space.



Clean air is of vital importance

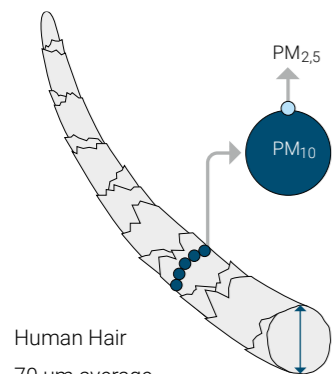
When you consider **we spend 90% of our time indoors, it is critical that the inside air is as clean as possible.** The presence and size of particulate matter (PM) or fine dust is a determining factor in air quality and is directly linked to potential health problems¹.

The World Health Organisation (WHO) has designed clear guidelines on air pollution from fine dust (indoors and outdoors), indicating that presence with an aerodynamic diameter of 10 µm or smaller (PM₁₀) is damaging to your health. These small particles are invisible to the naked eye and do not necessarily produce a noticeable odour. Therefore a visibly clean room can have a considerable air quality issue.

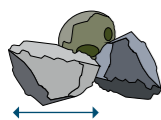
What is particulate matter?

Particulate matter, also known as particle pollution or PM, is a mixture of extremely small particles. The size of particles is directly linked to their potential for causing health problems. The smaller these particles are, the more hazardous they are to your health.

¹ World Health Organization Air quality guidelines for particulate matter, global update 2005.



Human Hair
70 µm average diameter



Fine Beach Sand
90 µm in diameter

DESSO AirMaster laboratory test (median values)

DESSO AirMaster is 8 times more effective in capturing and retaining fine dust than smooth flooring solutions.

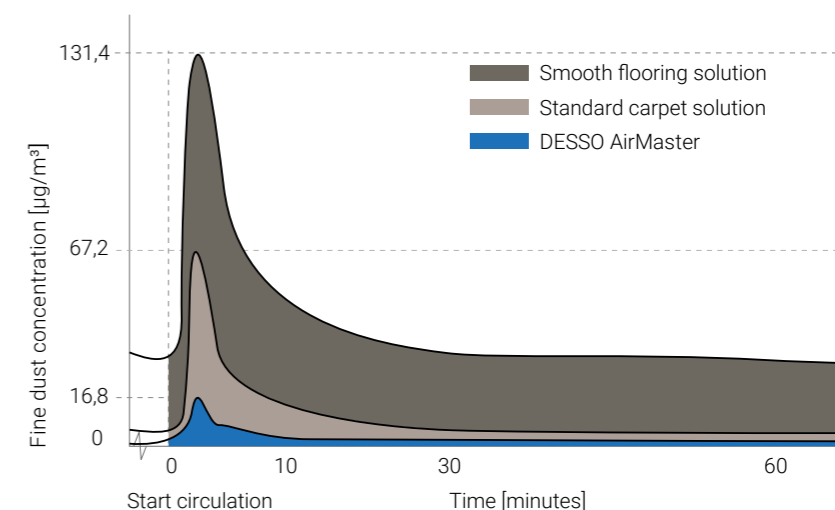
With DESSO AirMaster the concentration of particulate matter drops significantly faster than with smooth flooring.

With smooth flooring the amount of airborne particulate matter stays consistently higher than the peak level of DESSO AirMaster.

Tests prove the effect of DESSO AirMaster

To prove the superior filter function of DESSO AirMaster tests are performed in the laboratory of the independent German test institute GUI, which specializes in the analysis of indoor and outdoor air quality.

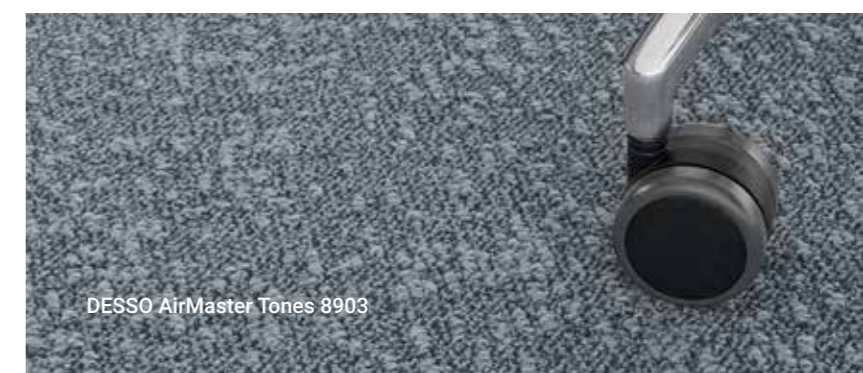
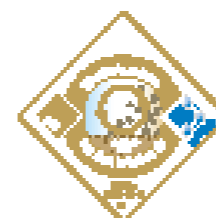
Based on these test results DESSO AirMaster is the **first product in the world** to be certified with a **GUI Gold label**². DESSO AirMaster is **8 times more effective** in capturing and retaining fine dust than smooth flooring solutions (PM₁₀) and **4 times more effective** than standard carpet solutions (PM₁₀)³.



Measurements are carried out at a height of 80 cm and 110 cm (in the breathing zone).

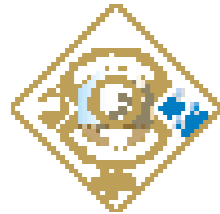
² The GUI Gold logo has been awarded based on the average of 15 repeated tests in which the excellent fine dust capturing performance of DESSO AirMaster was measured, to safeguard that the results are scientifically sound and not just based on a one-time performance. During some tests, DESSO AirMaster proved to be up to 20 times more effective in capturing and retaining fine dust than smooth flooring.

³ Based on tests performed by GUI with DESSO AirMaster versus a standard smooth floor and versus standard structured loop pile carpet (median values).



Delivering on our Cradle to Cradle[®] vision

We continuously develop carpets that provide solutions to maximize people's health and wellbeing, supported by our strong commitment to Cradle to Cradle[®].



In 2010, we first launched our DESSO EcoBase[®] backing, made from ingredients which are **100% positively defined**⁴ and designed to be fully reused in our own production facility. Today, all DESSO AirMaster products are delivered with DESSO EcoBase backing as standard.

For this particular product combination we have carried out an additional test with GUI⁵ to assess the product's performance on three strict test criteria:

- Suitability for allergy sufferers
- High fine dust binding capacity
- Low Volatile Organic Compound (VOC) emission properties⁶

The product has met all of the above mentioned criteria and DESSO AirMaster with DESSO EcoBase backing is therefore the **first product in the world** to be certified with the **GUI Gold Plus label**⁷.

⁴ Positively defined = all ingredients have been assessed as either Green (optimal) or Yellow (tolerable) according to the Cradle to Cradle assessment criteria. As described in Cradle to Cradle CertifiedCM Product Standard Version 3.1.

⁵ GUI is an independent German test institute, which specialises in the analysis of indoor and outdoor air quality.

⁶ (ISO 16000 test analysis, according AgBB evaluation scheme 2010 and in accordance with GUT emission criteria).

⁷ Tests performed by GUI, with DESSO AirMaster with EcoBase (polyolefin) backing (report no. 150424-01).



DESSO AirMaster Tones 9023, 9950, 7083

Closing the loop

100% regenerated nylon

All DESSO AirMaster collections contain ECONYL[®] yarn, but AirMaster Earth and Tones are the first collections in the AirMaster range where all colours are made from 100% ECONYL[®] yarn – a 100% regenerated nylon made from recovered waste materials such as carpet yarn from Tarkett's Refinity[®] recycling facility and waste fishnets. As a company we also support the Healthy Seas initiative (www.healthyseas.org). The initiative aims to remove waste, in particular fishing nets for the purpose of creating healthier seas and recycling marine litter into regenerated yarn, some of which is being used to produce new DESSO carpets.

Positively defined recycled content

We use calcium carbonate (lime), a waste product of the Dutch drinking water industry, as the raw material in our DESSO EcoBase carpet backing. As a result, products with DESSO EcoBase backing contain on average of 50% positively defined recycled content in accordance with Cradle to Cradle[®] principles.

ReStart[®] – a future for used carpet

ReStart is our take back program to collect post-consumer carpet tiles. Upon return carpets are recycled using our Refinity facility which separates the yarn and other fibres from the backing. Today, the recycling facility is being re-built in order to be able to process the post-consumer materials more efficiently. For questions about our ReStart program, please contact your local sales representative.

Colback[®] Gold

The AirMaster Earth and Tones carpet tiles also feature Colback Gold, a primary backing with up to a 95%⁸ decrease in antimony content, designed to help preserve finite antimony reserves and promote safer tile recycling.

⁸ In comparison with standard non-woven primary backing.

DESSO AirMaster® Earth & Tones collection

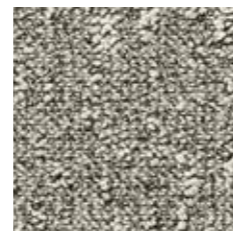


AirMaster Earth is available in seven distinctive colour options, including five neutral shades and two vibrant accent colours. Each tile features a statement black yarn threaded into the pattern resulting in dramatic and tactile flooring designs. **AirMaster Tones** is available in 12 colours, including six neutrals, ranging from dark to light, and six soft pastel accent colours, including soft pink/red, blue and green shades. The result is a delicate and tactile colour palette not previously available in the AirMaster family.

AirMaster Earth & Tones carpet tiles can be combined to allow designers to create zoning and routing in open plan spaces, or to provide dramatic statement design features and centre-pieces in meeting rooms and reception areas.



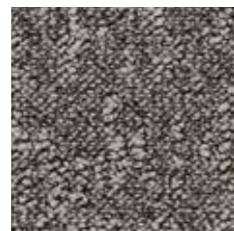
AirMaster Earth 6202



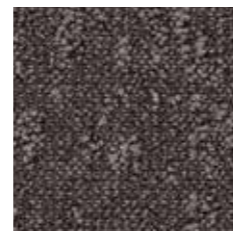
AirMaster Earth 1051



AirMaster Earth 2913



AirMaster Earth 9056



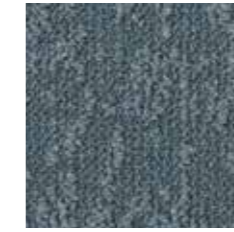
AirMaster Earth 9970



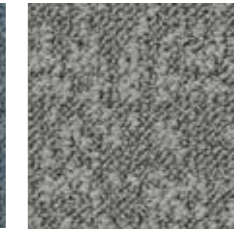
AirMaster Earth 8900



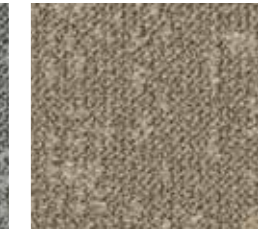
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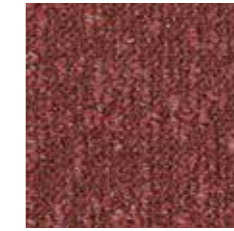
AirMaster Tones 8903



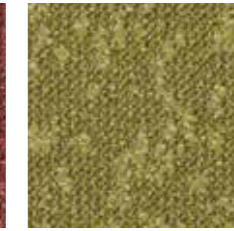
AirMaster Tones 9950



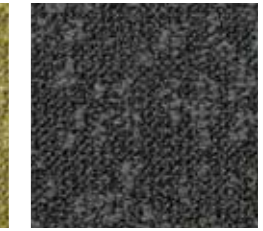
AirMaster Tones 1321



AirMaster Tones 2106



AirMaster Tones 7083



AirMaster Tones 9023



AirMaster Tones 9526



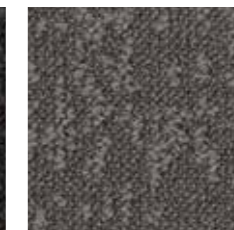
AirMaster Tones 4312



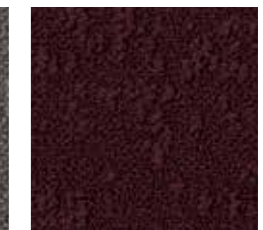
AirMaster Tones 8421



AirMaster Tones 9501



AirMaster Tones 9533



AirMaster Tones 2121



DESSO AirMaster Tones 9526, 2106, 9533, 2121

About our backings

Our DESSO EcoBase backing, the standard for all DESSO AirMaster products

DESSO EcoBase, a polyolefin based backing, can be fully recycled in our own production process thanks to its unique composition. In 2015, the DESSO EcoBase backing achieved C2C Gold level certification having reached a level where 100% of the materials are positively defined (this means that all the ingredients have been assessed as either Green [optimal] or Yellow [tolerable] according to the Cradle to Cradle® assessment criteria).

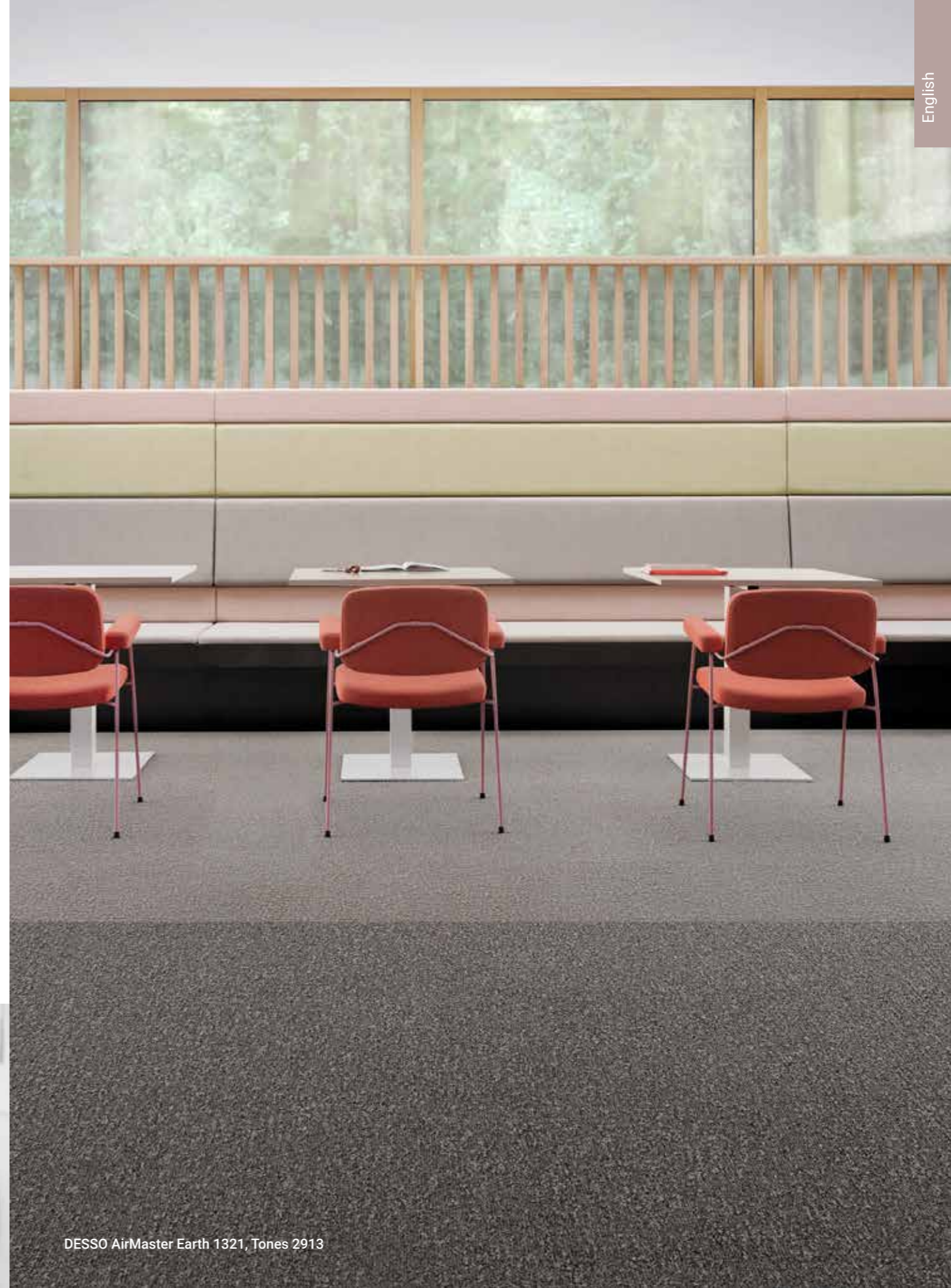
Our optional backing DESSO SoundMaster®

Less noise means more productive workforces. Quieter environments prevent health problems occurring⁹, reduce stress levels and improve concentration. That is why good sound absorption and sound insulation is so important. DESSO SoundMaster achieves an improvement in sound absorption performance up to +0.15 (α_w)¹⁰, equivalent to up to +100% improvement in comparison to standard carpet designs (α_w value between 0.15 and 0.20)¹¹. This felt backing is made from 100% polyester (80% recycled) and is specifically chosen for its advanced sound insulation and absorption properties.

⁹ Environmental Noise and Health in the UK, Health Protection Agency, p.57-58, Noise in figures, European Agency for Safety and Health at Work, p.70-73.

¹⁰ Tests performed at SWA (Schall- und Wärmemessstelle Aachen GmbH) – Institut fuer schalltechnische und wärmetechnische Prüfungen-Beratung-Planung.

¹¹ To compare: other flooring solutions (non-carpet) generally give a value between 0.05 and 0.10.



DESSO AirMaster Earth 1321, Tones 2913



Clears
the Air®

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