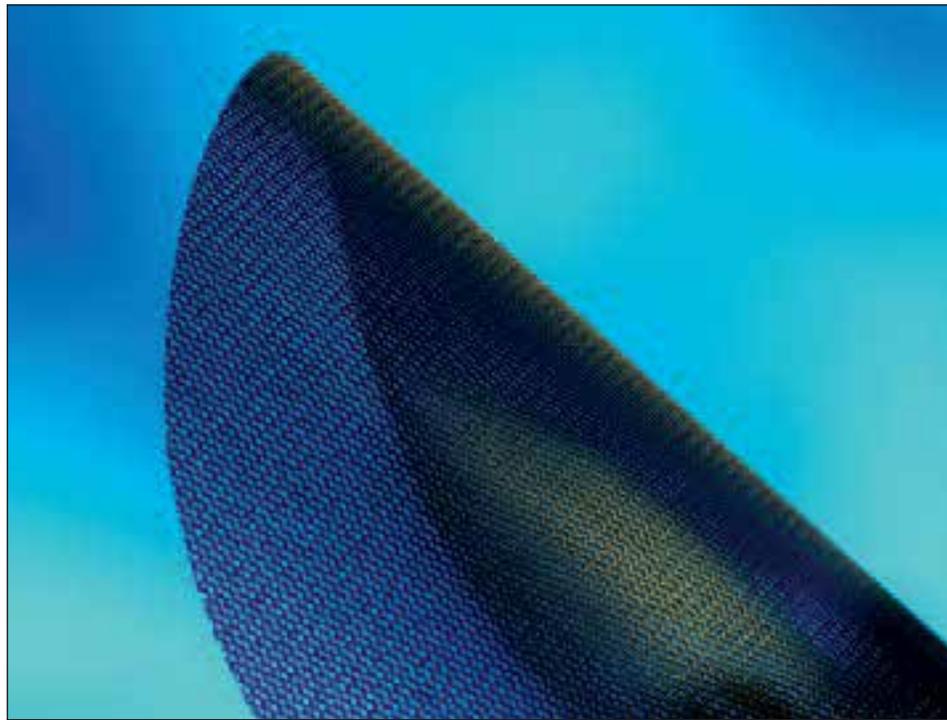


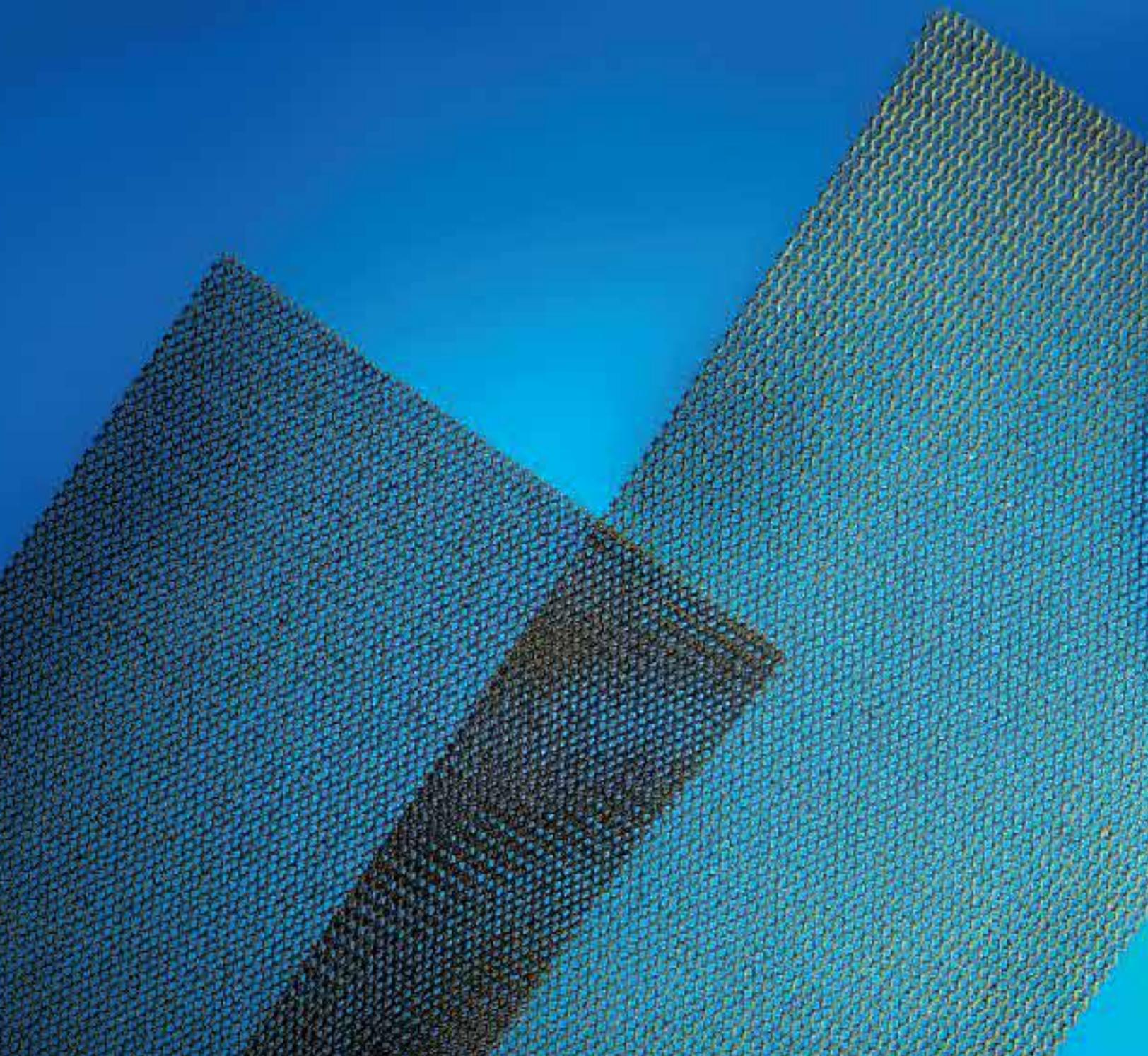
# Abranet®



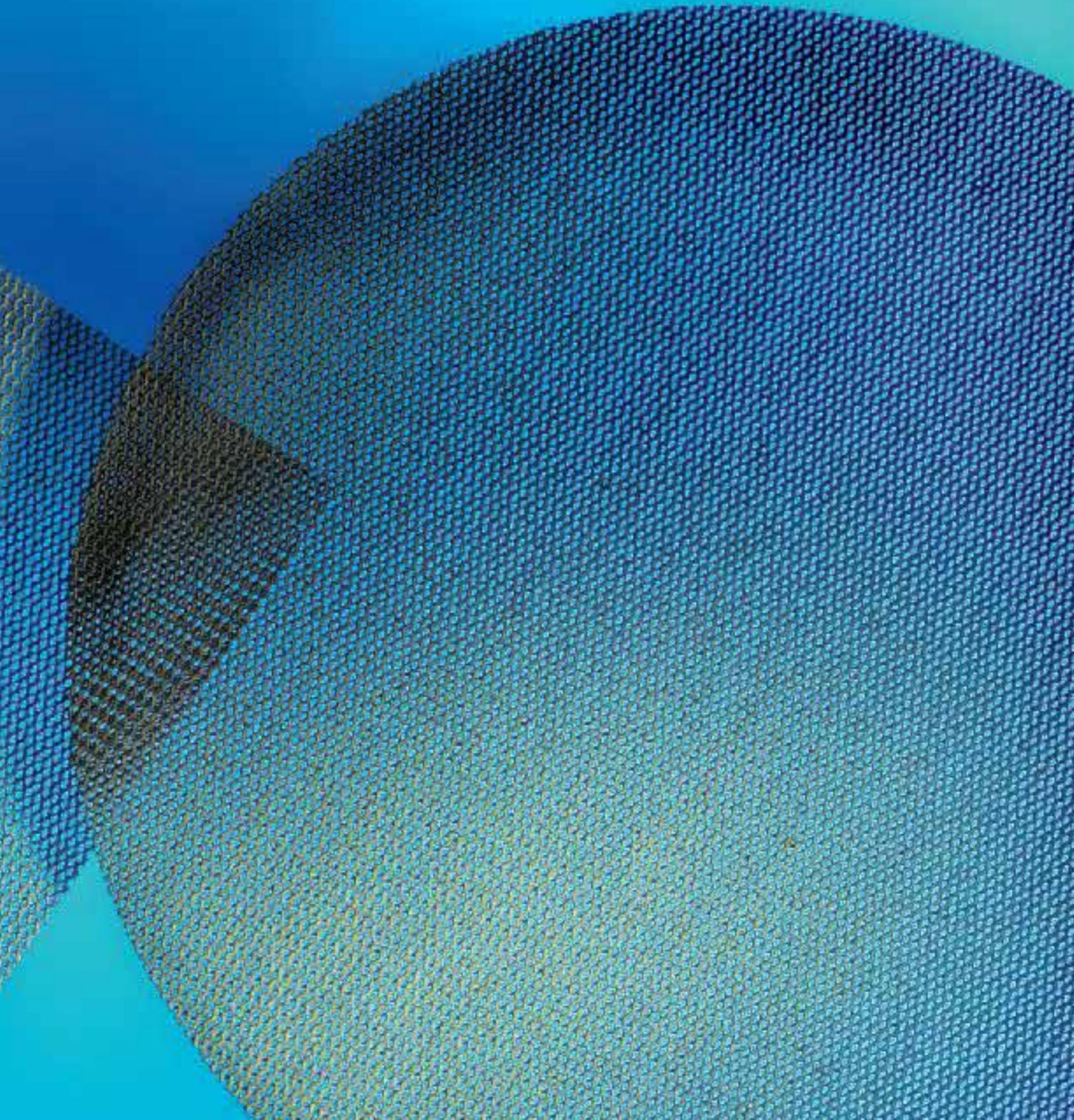
The dust-free solution



Welcome to a



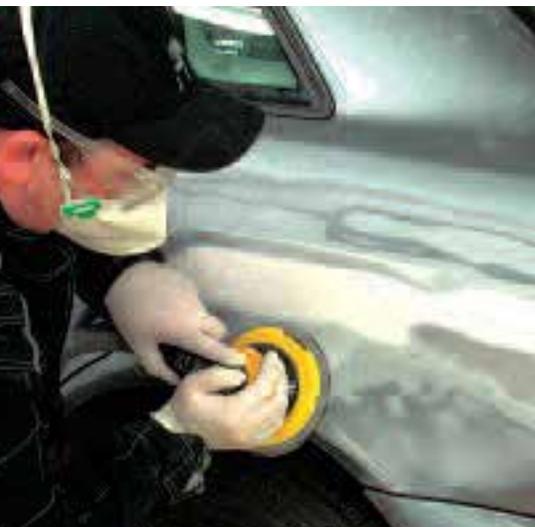
dust-free world



# Abranet<sup>®</sup> will change

You don't have to accept dust anymore. Abranet<sup>®</sup> is a revolutionary new product for dust-free sanding.

The patented sanding disc has amazing properties, which will fundamentally change your attitude to sanding.



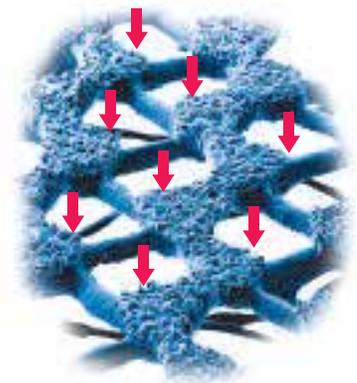
Abranet<sup>®</sup> is an innovative abrasive that reduces dust from the sanding process entering the atmosphere to practically nothing. It has been developed for sanding of fillers, primers, topcoats and clear coats. It is also excellent for sanding of composites, soft aluminium, soft wood, gypsum wallboards and MDF boards, minimizing spreading of hazardous dust.

## Efficient extraction

The secret behind Abranet<sup>®</sup> is a sanding surface with thousands of small holes. The distance from each abrasive grit to the nearest dust collection point is only half a millimeter, offering extremely efficient dust extraction from the entire surface of the product.

Dust-free sanding greatly reduces the risk of surface damage from re-circulating dust particles and loose grit. Because dust and debris particles are removed from between the disc and the sanded surface, the formation of dust "pills" is minimized. Pilling leads to defects in the sanded surface which show up in the subsequent coating. Abranet<sup>®</sup> also solves the problem of surface loading and caking, which traditionally reduces the performance of the abrasive.

Dust-free sanding with Abranet<sup>®</sup> improves your work environment as well as your sanding.



Abranet<sup>®</sup> consists of a mesh sanding product with thousands of holes. The distance from each abrasive grit to the dust extraction point is only half a millimeter, giving excellent extraction capacity.

# your attitude

## **Abranet® discs and strips**

### **Technical specification / grit range**

Grain: Aluminium oxide  
Bonding: Resin over resin  
Backing: Polyamide fabric  
Coating: Closed  
Colour: Brown  
Grit range: P 80, P 120, P 180, P 240, P 320,  
P 400, P 500, P 600

### **Dimensions**

Discs: Ø 77 mm, Ø 127 mm, Ø 150 mm  
(others on request)  
Strips: 70 x 125 mm  
70 x 198 mm  
70 x 420 mm  
115 x 230 mm

### **The Abranet® dust-free sanding system**

Backing pad  
Sanding blocks  
Discs or strips  
Exhaust equipment (optional)  
Sanding machines (optional)

# Dust-free sanding from start to finish

Dust-free sanding is a great improvement in occupational health. It improves your working environment and sanding performance. Thanks to a wide range of discs and strips you can now switch over to dust-free sanding in various applications.



All sanding dusts have their own specific, and not so accurately known, health hazards, therefore specific occupational exposure limits (OEL) for this type of exposure does not exist.

Sanding with Abranet®, however, minimizes spreading of hazardous dust. Thanks to a wide range of sanding discs and strips you can now switch over to dust-free sanding in various applications. Whether you are working with cars, boats, housebuilding or aircraft, Abranet® is the solution for you. And what's more – a grit range from P80 to P600 ensures that you can benefit from dust-free sanding all the way from start to finish.

## No costly investment

The complete Abranet® dust-free sanding system consists of exhaust equipment, sanding machines, a specially designed backing pad, sanding blocks, Abranet® sanding discs and strips.

If you already have your own exhaust system and sanding machines you can start with dust-free sanding with no costly investment. For machine sanding all you need is Abranet® discs and a specially designed backing pad. For manual sanding you will just need Abranet® strips and our special sanding blocks.



**Abranet® requires no costly additional investments. All that is needed besides Abranet® discs or strips is a specially designed backing pad or sanding block.**

# Dust-free sanding is good business

Abranet® offers major benefits such as dust-free sanding, better work environment, greater efficiency and less environmental impact. Together this means that Abranet® is not just dust-free sanding – it is also good business.



New type of velour backing developed for attaching the disc to the pad (SEM -microscope picture).

## Abranet vs. traditional abrasives



### No clogging

Abranet® resists clogging. Therefore, outstanding disc life is achievable.



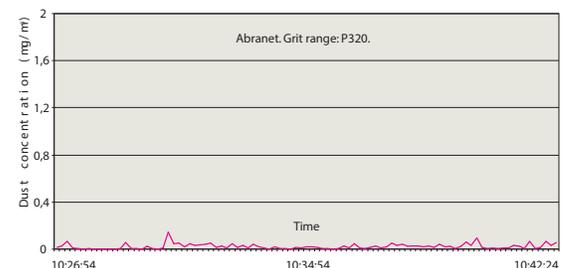
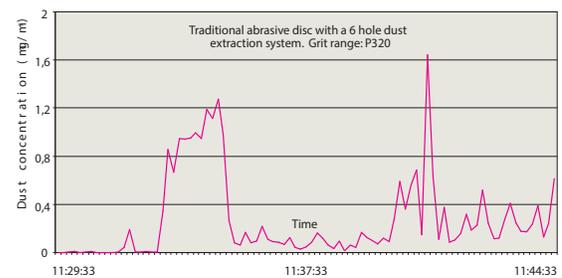
### Less pilling

Due to efficient dust extraction less pilling will appear.



### Great efficiency

Abranet® retains its original sanding performance for a long period, which means fewer disc changes.



Diagrams above show results from a sanding test conducted by Tampere Regional Institute of Occupational Health in January 2001. The test shows that the dust concentration in the working environment produced by Abranet® is just a portion of that produced by a traditional disc.

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Abranet® is a registered trademark of KWH Mirka Ltd

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award granted by  
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Republic of Finland  
as an acknowledge-  
ment of innovative  
entrepreneurship.



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Quality from start to finish