

A durable antifouling fabric with outstanding stain removal speed

DANTOTSU O'TEAL™

The fastest stain removal!

In addition to condiments, cooking oils and machine oil stains at work sites, Dantotsu O'Teal quickly removes a wide range of stains that occur in various situations, such as sebum and collar stains. By removing stains fast and cleanly, washing time is shortened, increasing efficiency.



3x faster stain removal*



Soil release



Oil-repellent

*Compared to our conventional antifouling product



Increased cleanliness

Due to the fast stain removal speed, the degree of cleanliness is improved even with the same washing time.



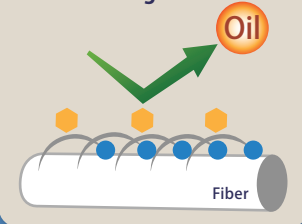
Reduction in detergent consumption*1

Stains are removed easily, so the amount of detergent used can be reduced, decreasing the burden on the environment due to wastewater.

*1 In-house tests have confirmed that even if the amount of detergent used is reduced by 50%, stain removal is equivalent to that of conventional products.

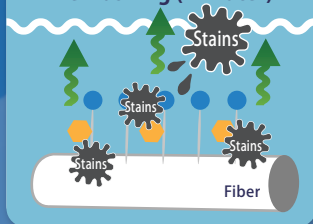
Stain removal mechanism

While wearing



○ Hydrophilic group (attracted to water) ⬡ Oil-repellent group

While washing (in water)



As a result of the flip-flop phenomenon, the oil-repellent group repels dirt while in the air, and the hydrophilic group removes dirt in water. In addition, Dantotsu O'Teal™ has more hydrophilic groups than our conventional fabric, giving it higher stain-removing properties.

Comparison of chili oil stain removal speed

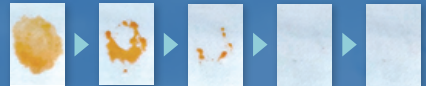
Comparison of stain removal speed in 40° C water, after chili oil has adhered
Compared to our conventional fabric, the oil stain removal speed is 3x faster (4x depending on the material) and the washing time is shortened by up to 75%.

Start 10 sec 30 sec 60 sec 180 sec

Our conventional fabric



DANTOTSU O'TEAL™



具有出色去污速度的持久防污织物

DANTOTSU O'TEAL™

(优越快速去污快的去污)

超快速度去污

可快速去除各种污渍：调味料、烹饪油、机械工作场地的机油以及在各种场景出现的皮脂和衣领污渍。“快速”干净地去污可缩短洗涤时间，提高洗涤效率。



去污速度快3倍*

* 与本公司的传统防污处理产品相比



SR(去污)



不沾油



清洁效果更佳

去污速度更快，即在相同的洗涤时间内达到更高的清洁度。



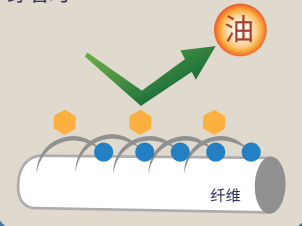
洗涤剂用量减少*1

轻松去污可减少洗涤剂用量，从而减轻废水对环境造成的负担。

*1) 经公司内部测试表明，仅用50%的洗涤剂用量，也能去除传统产品相同程度的污垢。

去污机制

穿着时



○ 亲水基 (容易溶于水) ◐ 不沾油基 (拒油)

由于 flip-flop 反转现象，不沾油基在空气中将污垢弹溅开，亲水基在水中将污垢去除。

DANTOTSU O'TEAL™ (优越快速去污快的去污) 与本公司的传统产品相比，亲水基更多，即它具有更高的去污性能。

洗涤时 (在水中)



与沾上辣油的污垢去污速度比较

与沾上辣油后用40°C洗涤液的去污速度比较。

结果表明，与本公司的传统产品相比，油污的去除速度提高了3倍（根据材料的不同也有提高4倍），洗涤时间最大可缩短75%。

开始 10秒后 30秒后 60秒后 180秒后

本公司的传统产品



DANTOTSU O'TEAL™

