

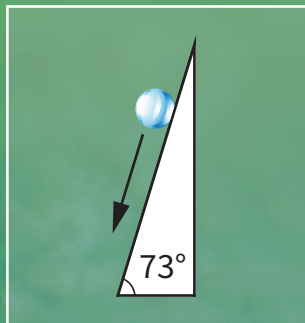
## Eco-friendly Highly Durable Water-repellent Fabric

# DANTOTSU HASSUI™ CZ

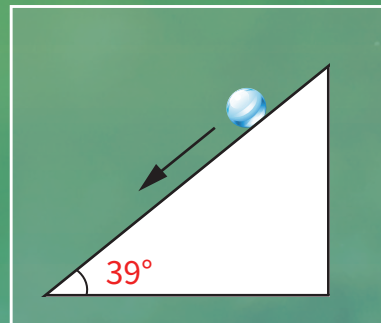
### Ecological! Outstanding water-repellency!

Finishing featuring outstanding fluorine-free water repellency equivalent to fluorine-based processing. In conventional fluorine-free water repellency processing, water droplets roll only when tilted at a sharp angle. In the case of *DANTOTSU HASSUI™ CZ*, however, water droplets roll even when titled slightly, showing superior water repellency. Moreover, water repellency is maintained even after 100 home washes.

Comparison of water droplet (20μL) rolling angles



Conventional fluorine-free processing



*DANTOTSU HASSUI™ CZ*

Basic Performance		Testing Method	Specification
Functionality	Water repellency	JIS L1092 Spray method (applied mutatis mutandis) (KMS-1-59)	Initial condition ≥ Class 4.5 100HL ≥ Class 3
		JIS L1092A Bundesmann method (KMS-1-60)	Initial condition ≥ Class 4
		KMS-1-10 ART Fabric abrasion method	Initial condition ≥ Class 4 20HL ≥ Class 3

### KOMATSU MATERE Co., Ltd.

Head Office Nu 167 Hama-machi, Nomi-city, Ishikawa, Japan TEL : +81-761-55-1111

Tokyo Sales Branch 3-10-6 Maruito Ginza No.3 Building 4th floor, Ginza, Chuo-ward, Tokyo, Japan TEL : +81-3-3549-3880

Osaka Sales Branch 2-2-22 HERBIS ENT Office Tower 8th floor, Umeda, Kita-ward Osaka-city, Osaka, Japan TEL : +81-6-6344-4161



DANTOTSU HASSUI™ CZ



WEBSITE

环保型高度耐用不沾水面料

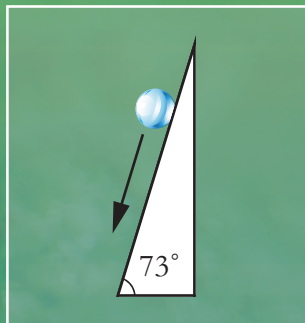
# DANTOTSU HASSUI™ CZ

## 环保！绝对第一！！出色的不沾水性

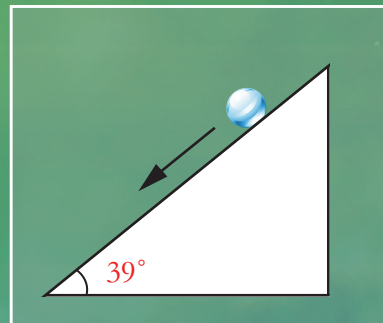
我们采用不含氟化物的不沾水加工方式，使面料实现了与采用含氟不沾水加工方式时相同水平的不沾水性能。通过比较水滴在面料上滚动的角度，可以发现，传统的无氟不沾水加工方式下，若倾斜角度不大则水滴就不能滚动，而“**DANTOTSU HASSUI™ CZ**”即使角度相对平缓，水滴也能滚动。因此新面料具有更加出色的不沾水性。

此外，按家庭洗涤方式重复洗涤100次后，仍然能保持这种不沾水性能。

水滴(20μL)滚落角度比较



传统无氟方式不沾水 CZ



**DANTOTSU HASSUI™ CZ**

基本性能		测试方法	标准值
功能性	不沾水度	适用 JIS L1092 喷雾法 (KMS-1-59)	初始值 ≥ 4.5级 100HL ≥ 3级
		JIS L1092A Bundesmann 法 (KMS-1-60)	初始值 ≥ 4级
		KMS-1-10 ART 湿式磨损法	初始值 ≥ 4级 20HL ≥ 3级

KOMATSU MATERE Co., Ltd.

总公司 - 石川县能美市滨町NU167番地 TEL: +81-761-55-1111

东京营业所 - 东京都中央区银座3丁目10番6号 MARUITO 银座3号大厦 4楼 TEL: +81-3-3549-3880

大阪营业所 - 大阪府大阪市北区梅田2丁目2番22号 HERBIS ENT 办公楼8楼 TEL: +81-6-6344-4161

上海代表处 - 中华人民共和国上海市延安西路2201号 上海国际贸易中心 1913室 TEL: +86-21-6275-4558