

Features:

Microgard 2000 Tyvek Protech Comments
EN340 Category III Type 5 & 6 Y Y Same as Tyvek
Antistatic to EN1149.1 Y Y Same as Tyvek
Abrasion Resistance EN530 Method 2 Class 3 Class 2 Higher abrasion
>500 >100 resistance than
market leader
Trapezoid tear resistance - MD (N)
ISO 9073-4 Class 2 39 Class 2 26.1 Stronger tear
strength than
market leader

Seam Type Bound seam 3 thread over-lock Bound seams
provide for
stronger seams
and prevent any
chemical splash
ingress through
the stitch holes

Seam strength (N) EN13935 / ISO 5082 Class 3 106.1 N/A As Above

Burst resistance ISO2960 50cm (kPa) Class 2 167 Class 2 108 Burst resistance
measures the
elasticity of the
fabric which can
also be an
indication of how
easy the fabric
tears, the higher
the elasticity the
less tearing may
occur

Water vapour transmission rate
WVTR gsm 24h (Breath-ability test) 6800 1700 The Microgard
2000 has been
shown by
independent tests
to dissipate water
vapour through the
fabric at a rate 4
times higher than
Tyvek. This is a
measure of how
cool the garment
will keep the
wearer.

Taped Seams Y N
Adhesive Over lap Zip Protection Y N

Resistance to Penetration by chemical liquids EN368
Penetration index % (Lower is best) against

Sulphuric Acid 30% 0.0% 0.0% Same as Tyvek
Sodium Hydroxide 10% 0.0% 0.0% Same as Tyvek
n-Heptane 0.1% 2.6% Much higher level
of protection
against n-Heptane
Isopropanol 0.0% 0.5% Much higher level
of protection
against Isopropanol
Mixture of
70% Xylene
15% n-butyl acetate
15% Butanol 0.0% N/A This test was carried
out by VW in
Germany as a paint
mixture they use at
VW and although
we do not know
what results exactly
Tyvek achieved,
we do know the
Microgard 2000
passed the test
whilst Tyvek did not.

Repellancy Index % (Higher is best) against

Sulphuric Acid 30% 98.1% 96.8% Microgard offers a much higher level of repellancy against all 4 standard chemical tests.

Sodium Hydroxide 10% 98.5% 93.8% As Above.

n-Heptane 87.7% 74.3% As Above

Isopropanol 93.9% 90.2% As above

Mixture of

70% Xylene

15% n-butyl acetate

15% Butanol 88.1% N/A This test was carried out by VW in Germany as a paint mixture they use at VW and although we do not know what results exactly Tyvek achieved, we do know the Microgard 2000 passed the test whilst Tyvek did not.