

ZANELLI COMMERCIALE s.r.l.



CERTIFICATE NO.	1109	CLIENT	DVGW	
CERTIFICATE DATE	17/04/2010	P.O. NO.	test samples	
TRACEABILITY CODE	10-038	ITEM		
test name	unit & conditions	reference values	test results	ref. Specs.
ADHESIVE				
code			W20G029	
thickness	mm.	1,5	1,59	I-PRO-10
density	gr/cm3	1,05 ± 0,03	N.A.	ASTM D-792
shear 23°C	N/mm2	> 1,25	N.A.	EN 12068-D
shear HT	N/mm2	> 0,4	0,81	EN 12068-D
softening point	5 °C raise	97 ± 10	100	ASTM E-28
viscosity	cPs	85000±20000	N.A.	ASTM D-4402
BACKING				
code			TU09044	
thickness	mm.	0,98 - 1,1	1,05	I-PRO-10
elongation	%	> 400	704,15	EN 12068-A
yeld	N/mm2	> 15	23,5	EN 12068-A
hardness	Shore D	> 50	55,693	ISO 868
long. Shrinkage	%	25 - 33	29,3	M-PRO-29/10
transv. Shrinkage	%	1 - 9	3,9	M-PRO-29/10
INSTALLED SLEEVE				
code			E1015B50	
visual		black	pass	I-PRO-10
total thickn. 1	mm.	2,45 - 2,75	2,58	I-PRO-10
total thickn. 2	mm.	2,45 - 2,75	2,79	I-PRO-10
total thickn. 3	mm.	2,45 - 2,75	2,55	I-PRO-10
average thickn.	mm.	2,45 - 2,75	2,64	I-PRO-10
width 1	mm.	490 - 515	502	I-PRO-10
width 2	mm.	490 - 515	502	I-PRO-10
width 3	mm.	490 - 515	502	I-PRO-10
average width	mm.	490 - 515	502	I-PRO-10
tested adhesion +10°C	N/mm	> 5,5	N.A.	GASD C.09.03.05
tested adhesion +23°C	N/mm	> 5,5	12,42	EN 12068-C
tested adhesion HT	N/mm	> 0,5	1,53	EN 12068-C
epoxy primer code				