

**DECLARATION OF PERFORMANCE****Multiplan BA/T****No. DoPBA/T-ENv01R-2013-08-12****1. Unique identification code of the product-type:**

Multiplan BA/T

2. Identification of the construction product:

Lot number: see label

Production date: see label

3. Intended use or uses:

Tunnel membrane made of polyvinyl chloride (pvc) with a nominal thickness of 1.2 mm, 1.5 mm, 1.8 mm or 2 mm used as damp proof sheet or basement tanking sheet as defined by EN 13967.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

Multiplan BA/T

Manufacturer and Factory:
Multiplan Yalıtım Sistemleri
San. Tic. A.Ş.

GOSB İhsanedede
Cad.No:111/B Gebze-
KOCAELİ

5. Contact address of the authorised representative:

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product:

System 2+

7. Construction product covered by the harmonized standard EN 13967:

CENTRUM STAVEBNIHO INZENYRSTVI a. s., notified body No. 1390, has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 2+ and issued the EC certificate of conformity of the factory production control 1390- CPD-0158/0

8. Declared performance

CHARACTERISTICS	REQUIRED MIN. VALUE	TEST RESULTS	UNIT	TEST METHODS
WATER TIGHTNESS TO LIQUID WATER	WATERPROOF	WATERPROOF	-	EN 1928
RESISTANCE TO STATIC LOADING	≥ 20	≥ 20	kg	EN 12730
TENSILE STRENGTH	≥ 15	≥ 17	N/mm ²	EN 12311-2
ELONGATION AT BREAK	≥ 250	≥ 300	%	EN 12311-2
DURABILITY OF WATER TIGHTNESS AGAINST AGEING	WATERPROOF	WATERPROOF	-	EN 1296 AND EN 1928
RESISTANCE TO IMPACT	≥ 450	≥ 1250	mm	EN 12691
RESISTANCE TO TEAR (NAIL SHANK)	≥ 300	≥ 300	N	EN 12310-1
REACTION TO FIRE	CLASS E	CLASS E	-	CLASSIFICATION AFTER EN 13501-1
JOINT STRENGTH	≥ 600	≥ 700	N	EN 12317-2
DETERMINATION OF WATER VAPOR TRANSMISSION	$\geq 18.000 \pm 30$ %	$\geq 18.000 \pm 30$ %	μ	EN 1931
PEEL RESISTANCE OF JOINT	≥ 150	≥ 150	N/50mm	EN 12316-2
DIMENSIONAL STABILITY	≤ 2	≤ 2	%	EN 1107-2
FOLDABILITY AT LOW TEMPERATURE	-20 \leq	-25 \leq	°C	EN 495-5
VISIBLE DEFECTS	PASS	PASS	-	EN 1850-2
EFFECTS OF LIQUID CHEMICALS, INCLUDING WATER (28 DAYS / 23° C)	RESISTANT	RESISTANT	-	EN 1847



9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Mehmet Nazım Yavuz
General Manager
Multiplan Yalıtım Sistemleri San.Tic.A.Ş

Turkey , August 2013