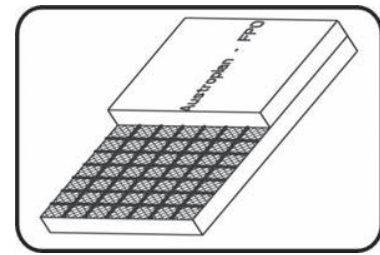


- **Austroplan F VK**  
with combination fabric - 1,63/2m  
co-extruded/calendered
- **Hot Air Welding**
- **FPO grey/black flame retardant**


**Code 605.24**

Property	Unit	1,20 mm	1,50 mm	1,80 mm	2,00 mm
Roll Length	m	25	20	15	15
Weight	kg/m <sup>2</sup>	1,40	1,78	2,08	2,34
Max. tensile force*	N/50mm	≥ 1000	≥ 1100	≥ 1100	≥ 1100
Max. tensile Elongation*	%	$\bar{x} \geq 14$	$\bar{x} \geq 15$	$\bar{x} \geq 15$	$\bar{x} \geq 15$
Puncture Resistance	mm	700	900	1100	1200
Low Temperature Flexibility	°C	-40	-40	-40	-40
High Temperature Dimensional Stability**	%	< 0,1	< 0,1	< 0,1	< 0,1
Diffusion Resistance Factor $\mu$		120 000	120 000	120 000	120 000
diffusion equivalent air layer thickness $s_d$	m	140	180	220	240
Material Class***		B2 / E	B2 / E	B2 / E	B2 / E
Resistance against Hailstorm****					
at rigid substructure	m/s	> 20	> 25	> 30	> 30
at flexible substructure	m/s	> 30	> 40	> 40	> 40
Resistance against impulsive loads*****					
at 23°C	mm	≥ 700	≥ 900	≥ 1000	≥ 1000
at -10°C	mm	≥ 900	≥ 1000	≥ 1200	≥ 1200
Resistance against static loads	kg	20	20	20	20
Shear Test		passed			
Ozone Reaction		passed			
Artificial Weathering		passed			
Thermal Ageing		passed			
Resistance to Microorganisms		passed			
Sustained compression Resistance		passed			
Water Immersion		passed			
Solution Immersion		passed			
Root Resistance		passed			

\* acc. SIA 280 / OEN EN 12 311-2 Method A

\*\* analogue OENORM EN 1107-2

\*\*\* test acc. EN 13501-1 + additional test "resistent against flying cinder and radiating heat"  
OENORM B 3800 / DIN 4102 / EN 13501-5

\*\*\*\* test acc. DIN EN 13583 / SIA V 280

\*\*\*\*\* test acc. DIN EN 12961 / SIA V 280 method A



The data in this table are approximate values and based upon results of the internal inspection, data of raw material suppliers as well as tests in the course of approval procedures and external inspections. The results can differ slightly from the indicated mean values in longitudinal and transverse direction and due to different nominal thicknesses and raw materials. In any case requirements relating to a special project (tender documents) have to be agreed with AGRU.

Independent of the indicated test standards, internal tests and data on test certificates are generally carried out in accordance with the appropriate test procedures according to OENORM (Austrian Standard) resp. DIN (German Standard) or EN ISO. AGRU assumes no liability in connection with the use of this data. The specifications on this sheet are subject to change without notice.