

# Stamisol Safe One

## Mandatory Independent Tests Description

Please find enclosed important standards which should be considered when specifying a vertical wall membrane. Beware when you are told , «tested in accordance with». This may not be a full independent test.

	Standard	Requirement
<b>UK legislation for façade membranes</b>		
Approval Document B - high rise buildings	Flame retardancy to EN 13501-1	The legislation reads that the minimum classification is Euroclass B-s3,d0. Of course advisable is Euroclass A1 or A2* - Stamisol Safe One is certified A2,s1-d0, which means fire safety A2 - s1 minimum smoke - d0 no hot droplets
Water vapour resistance	to BS 4016 (UKCA)	Minimum 0.6 MNs/g
*Within her Golden Thread, Dame Judith Hackitt postulates to all involved in building projects: Don't wait for legislation, do the right thing!		
<b>UKCA/CE legislation for façade membranes</b>		
UKCA/CE Declaration of Performance	EN 13859-2 for walls	
<b>Tests before ageing are</b>		
Tensile strength before ageing in length direction	EN 12311-1	in N/5cm
Tensile strength before ageing in cross direction	EN 12311-1	in N/5cm
Elongation at break before ageing in length direction	EN 12311-1	in %
Elongation at break before ageing in length direction	EN 12311-1	in %
Nail tear resistance before ageing	EN 12310-1	in N
Water resistance before ageing	EN 13111 / 1928	W1 for open worked façades / W2 for closed façades
Water vapour resistance Sd	EN ISO 12572-C	Minimum 0.6 MNs/g
Flexibility at low temperature	EN 1109	in degrees Celcius
Ageing of samples	EN 13859-2	For closed façades: 336 hours UV + 90 days at 70°C.
<b>Tests after ageing are</b>		
Tensile strength after ageing in length direction	EN 12311-1	in N/5cm
Tensile strength after ageing in cross direction	EN 12311-1	in N/5cm
Water resistance after ageing	EN 13111 / 1928	W1 for open worked façades / W2 for closed façades
<b>Other membrane performance</b>		
UV test of 5.000 hrs	EN 13859-2 / 12311-1 / 1928	Passed
Water resistance	EN ISO 20811	700 cm water column
Flame retardancy	EN 13501-1 classification report	To include the accessories used for installation as system test
	EN ISO 1716	< 3.0 MJ/kg. To include the accessories used for installation as system test
	EN 13823	To include the accessories used for installation as system test
Manufactured according to	EN ISO 14021/9001	Environmental and Quality Management Standard
Flex crack/fold tests	For further details please contact Stamisol	
Adhesion in between components/layers within product	For further details please contact Stamisol	
Shrinkage	For further details please contact Stamisol	
Is material fraying on installation	For further details please contact Stamisol	