CLASSIFICATIONS

WEATHERSEALS COMPLIANT WITH EN 12365 2003

Under EN 12365 2003 there is a prescribed classification system that enables window, door, shutter and curtain walling manufacturers or installers to ensure that they are using the component that best meets their requirements.

A six-digit system is used

1	2	3	4	5	6
Category of use	Working range	Linear compression force	Working temperature range	Deflection recovery	Recovery after ageing
W = Weatherstrip G = Gasket	9 grades showing the working range of the seal; 9 indicates the greatest distance	9 grades showing the linear compression force; 9 indicates the greatest force	6 grades showing the operating temperature range, each with different maximum and minimum temperatures	8 grades showing deflection recovery; grade 0 indicates no requirement and grade 7 shows the greatest recovery	8 grades showing recovery after ageing; grade 0 indicates no requirement and grade 7 shows the greatest recovery
Grades					
	1: ≤ 1 mm 2: >1 mm ≤2 mm 3: >2 mm ≤4 mm 4: >4 mm ≤6 mm 5: >6 mm ≤8 mm 6: >8 mm ≤10 mm 7: >10 mm ≤15 mm 8: >15 mm ≤30 mm 9: >30 mm	1: ≤ 10 N/m 2: >10 N/m ≤20 N/m 3: >20 N/m ≤50 N/m 4: >50 N/m ≤100 N/m 5: >100 N/m ≤200 N/m 6: >200 N/m ≤500 N/m 7: >500 N/m ≤700 N/m 8: >700 N/m ≤1000 N/m 9: >1000 N/m	1: 0°C to +45°C 2: -10°C to +55°C 3: -20°C to +85°C 4: -25°C to +100°C 5: -40°C to +70°C 6: 0°C to +200°C	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%	0: No requirements 1: >30% to 40% 2: >40% to 50% 3: >50% to 60% 4: >60% to 70% 5: >70% to 80% 6: >80% to 90% 7: >90%

A typical classification looks like this

W	3	4	2	4	3

Code	EN 12365
LT 1305	W33221
LT 1432	W34243
LT 1509	W24521
LT 1515	W15232