

PAS 2012 Technical Interpretation		Interpretation number	032
Title	PAS 2012 TI 032 Ramps composed of multiple parts that do not affect the gradient of the ramp.		
PAS Version	2012 - 1 : 2019		
Clause(s)	5.3.1.2	5.3.1.2 Where a ramp is composed of more than one separate part, and those parts are not permanently attached to each other: a) all mating parts shall be positively located together when deployed; and b) the part closest to the wheelchair access door shall display the following text so as to be visible when the ramp is deployed: “WARNING Ramp extension piece may be required to provide satisfactory gradient”.	
Enquiry	The ramp is in two separate parts to reduce the amount of weight that needs to be handled by the operator. The two sections are separately lifted out of their storage cradle, unfolded and fitted to the vehicle at the wheelchair access doorway. 5.1.3.2 b) appears to have been written on the assumption that ramps stored in multiple parts, will always have those parts attached “end-to-end” so that as more parts are added, the gradient reduces. However, this particular ramp is in two parts that are intended to be installed side-by-side when assembled, so it is the width of the ramp that changes, rather than the length (and therefore the gradient), when the second part is added. Clearly, in this situation, the wording: “WARNING Ramp extension piece may be required to provide satisfactory gradient” is not going to convey the correct meaning, yet as drafted, the manufacturer is required to apply that wording.		
Decision	it is agreed that where the ramp gradient is not affected by the fitment of the additional parts the Warning as described in 5.1.3.2 b) does not need to be fitted.		
Rationale	The wording of the PAS did indeed assume that separate parts would be fitted end to end longitudinally not adjacent to each other transversely. Where the fitment of additional parts does not affect the gradient then the warning is not required. This will be reviewed at the current PAS Review.		
Effective date	22 nd April 2025		Signed off by: IN and SP