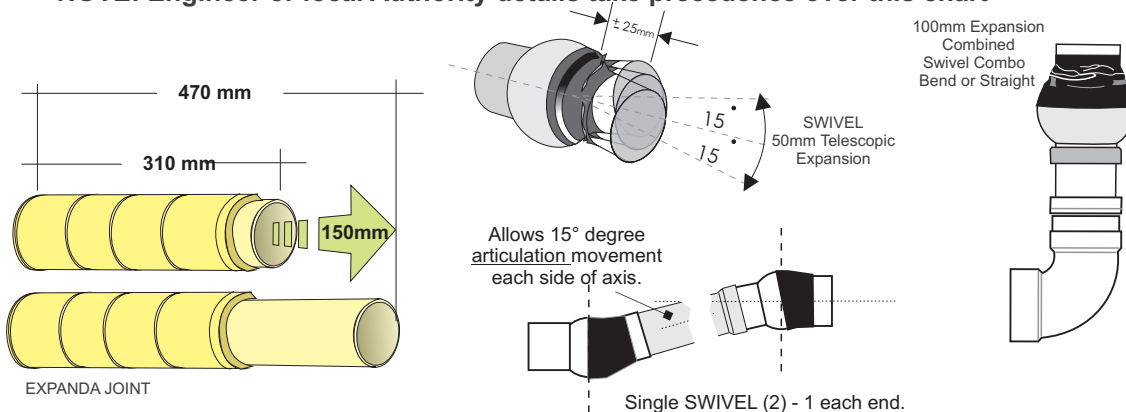


Table SP 01 - SOIL CLASSIFICATION, DIFFERENTIAL MOVEMENT, GRADE, ANGLE, JOINTS LOCATION & DRAWING No'S. CHART.

AS2870-2011 SOIL CLASSIFICATION	ON SITE SOIL CONDITIONS	DIFFERENTIAL MOVEMENT	SEWER GRADE	SWIVEL * (50mm Expansion)	SWIVEL/COMBO * (100mm Expansion)	EXPANDA JOINTS *	CREEP SLOPE SITES	DRAWING NUMBER
A	Most Sand & Rock sites	0 - 10mm	1:60 Minimum	Not necessary	Not necessary	Not necessary	These are termed P sites and are referred to in Drawing SP 105	N/a
S	Slightly reactive Soils	11 - 20mm						N/a
M	Moderately reactive soils	21 - 40mm	If any Trees 1:50 Minimum	Check yt on soil report ?	Check yt on soil report	Check yt on soil report ?		SP 100 & SP 101
H₁	Highly reactive soils	41 - 60mm	1:40 Minimum	a) Utilising 2 units separated by a 200mm pipe section outside the building footprint.[as shown] b) Expansion Joint at every horizontal junction c) A Swivel set on top of every riser under slab.	As necessary using either or both Combo Bend or Combo Straight units	At Junctions within 1 mtr of internal building footprint and every 6 mtrs. As per Differential Movement		SP 102
H₂	Very highly reactive soils	61 - 75mm						SP 102A
E	Extremely reactive soils	76 + mm						SP 102A
P SITE CLASSIFICATION	Soils affected by Abnormal moisture and conditions	From.. 20 + mm	As per SOIL Report	Not applicable to <u>suspended sub-floors</u>	See AS2032-2006 Clause 6.4.2.2-4 for suspension requirements		SP 105A	

NOTE: Engineer or local Authority details take precedence over this chart

To be read in conjunction with Storm Plastics drawings shown.



GRADE RATIO	FALL IN 10 mtrs	ANGLE	GRADE %
1:100	100 mm	.57	1.0
1:80	125 mm	.71	1.25
1:60	167 mm	.95	1.65
1:50	200 mm	1.14	2.0
1:40	250 mm	1.43	2.5

* Unless specified otherwise, these joints are to be set at 50% of total telescopic movement.