

# TECHNICAL DATA SHEET

## NO STRIP STOP END FORMWORK

### PERFORMANCE OF NO STRIP STOP END FORMWORK

Tests have been carried out to verify the performance of No Strip Stop End Formwork at construction joints.

Assessment of shear, flexure and concrete strength at the joint confirms that the use of No Strip Stop End Formwork can improve the load achieved at this location.

Examination of cores taken at concreted No Strip Stop End Formwork joints shows full compaction around the No Strip Stop End Formworks and grout penetration at overlapping joints.



### PROPERTIES OF NO STRIP STOP END FORMWORK

Section Modulus $Z_{\text{joint}}$ $Z_{\text{span}}$	$\text{mm}^3/\text{m}$ $\text{mm}^3/\text{m}$	952 1266	Rib in tension face in tension
Moment of Resistance (working) (fZ)	$\text{kNm}/\text{m}$ $\text{kNm}/\text{m}$	0.184 0.244	At supports (rib away from load) At midspan (rib towards load)
Bending stiffness (EI) Working maximum reaction assumed max. working shear	$\text{kNm}/\text{m}$ $\text{kNm}/\text{m}$ $\text{kNm}/\text{m}$	2.00 10.88 5.44	See notes See notes See notes

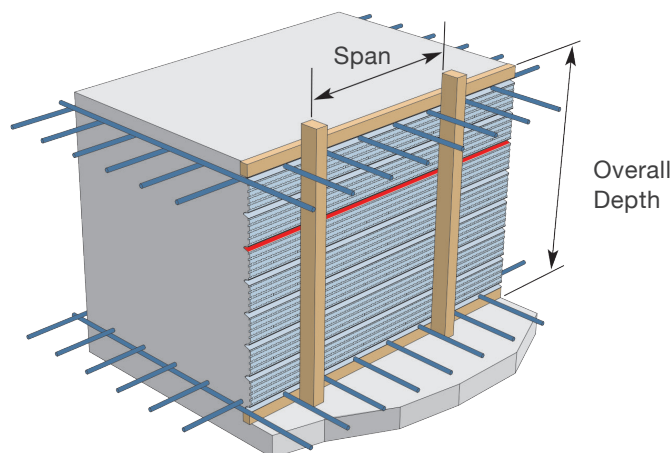
### NOTES

1. The properties assume that the No Strip Stop End Formwork is used with the ribs pointing into the concrete to be placed first and spanning in the strong direction between supports with the ribs parallel with the span.
2. The No Strip Stop End Formwork is considered a single use sacrificial material with a minimum factor of safety of 1.4 on ultimate failure. The failure stress being the minimum ultimate tensile strength of the No Strip Stop End Formwork rib sheet material.
3. The bending stiffness values should only be used for estimating deflections. They allow for the complex geometric changes in properties and shape as No Strip Stop End Formwork deflects.

## SLAB CONSTRUCTION JOINTS: MAXIMUM SPACING ON TIMBER SUPPORTS



All temporary works must be designed by a competent Temporary Works Designer



## INDICATIVE CLEAR DISTANCE BETWEEN SUPPORTS AT SLAB JOINTS

### MAXIMUM CONCRETE PRESSURE

Overall depth of slab Joint	Theoretical* Table 2 CIRIA 108	Assumed for No Strip Stop End Formwork	Clear No Strip Stop End span between supports
mm	kN/m <sup>2</sup>	kN/m <sup>2</sup>	mm
250	6.25	3.20	950
500	12.50	6.30	675
750	18.75	9.50	550
1000	25.00	12.70	475
1250	31.25	15.80	425
1500	37.50	19.00	400
2000	50.00	25.30	350
2500	62.50	31.70	300
3000	75.00	38.00	275

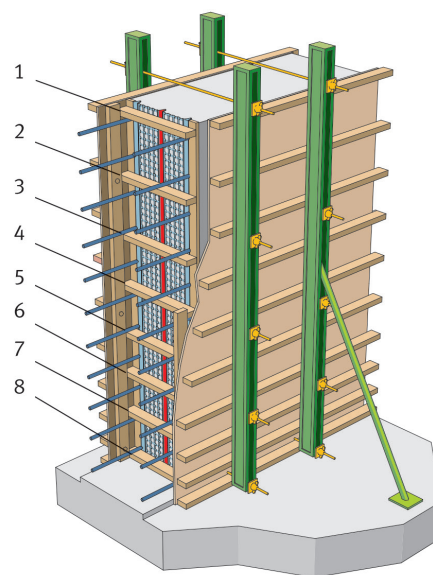
### NOTES

1. The No Strip Stop End Formwork is used in horizontal sheets with the ribs pointing into the concrete to be placed, and spanned in the strong direction between vertical supports.
2. The theoretical maximum pressure is that calculated using Table 2 in CIRIA report 108 with a concrete density of 25kN/m<sup>3</sup>, for EITHER a wall, base or column; AND applies to concrete groups 1 to 5 inclusive.

## THIN WALL CONSTRUCTION JOINTS: MAXIMUM SPACING ON TIMBER SUPPORTS



All temporary works must be designed  
by a competent Temporary Works  
Designer



## INDICATIVE SPACING OF SUPPORTS TO NO STRIP STOP END FORMWORK AT A VERTICAL JOINT IN A WALL

Position of the support measured from the top of the wall	Centre to centre spacing of the supports (mm) and the approximate height of wall (mm)	
	Support spacing	Approximate wall height
1		See note 5
2	550	See note 5
3	500	See note 5
4	450	1500
5	400	1900
6	375	2275
7	325	2600
8	275	2875
Load in the supports	Approximately 10.5 kN/m	

### NOTES

1. The No Strip Stop End Formwork is used in vertical sheets with the ribs pointing into the concrete.
2. The value of the support spacing is measured centre to centre of the vertical supports and is NOT the clear distance.
3. The supports to the No Strip Stop End Formwork are horizontal and are a minimum of 50mm wide.
4. The approximate load per metre of the supporting members is given as a guide only.
5. It is assumed that the No Strip Stop End Formwork is continuous over at least three spans (i.e. over four horizontal supports). If this is not the case, refer to a designer for the increase in load on the supports.

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