

WALL FORMWORK

Superslim Soldiers and Alform Walings

The Largest Formwork Panel - Minimal Shutter Joints, Larger Pours

R·M·D
KWIKFORM

SOUTH AFRICA

- No limitations on design pressure
- Faster pour rates
- Infinite flexibility of “tie positions”
- Designed with minimum number of ties resulting in labour savings in fixing and making good tie holes on every pour
- Up to 20% lighter than proprietary panel or timber formwork



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TIMBER v ALUMINIUM

- Alform beams equivalent strength of twin 9"x3" timbers ensuring greater soldier centres
- The unique Alform "lok clamp" for easier quicker fixing of stop ends and shutter joints. Uses standard 15mm tie bar and fittings
- Range of Alform components including internal and external corner solutions that ensure a complete system and not just a beam
- Superslim soldiers allows fixing of Hi-load 20mm ties further reducing fixing and repair costs



- **Minimum number of components for a “perfect shutter”**
- **Minimal build time and minimal labour costs**
- **By using formwork face material of your choice, all concrete finishes can be achieved. Suitable for F1 to F4**

**USE THE ADVANTAGES OF
SUPERSLIM AND ALFORM**



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Why Use the Superslim and Alform Formwork System

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- It is at least 3 times quicker to assemble than a traditional timber form
- Alform has the equivalent strength of twin 9"x3" timbers, which reduces the number of soldiers (can be up to 2m centres) and minimises ties
- Can be used in conjunction with Hi Load 20mm tie system reducing the number of ties even further
- Shutter will be 20% lighter with Alform walings than timber
- Superslim and Alform can incorporate a bottom tie close to the kicker to avoid grout loss
- Customers own plywood face material ensures a finish to the required specification



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CASE STUDY WITH TIE COST COMPARISON

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Wall Form - Superslim, Alform, Hi-load
Ties and RMD Kwikform Formply

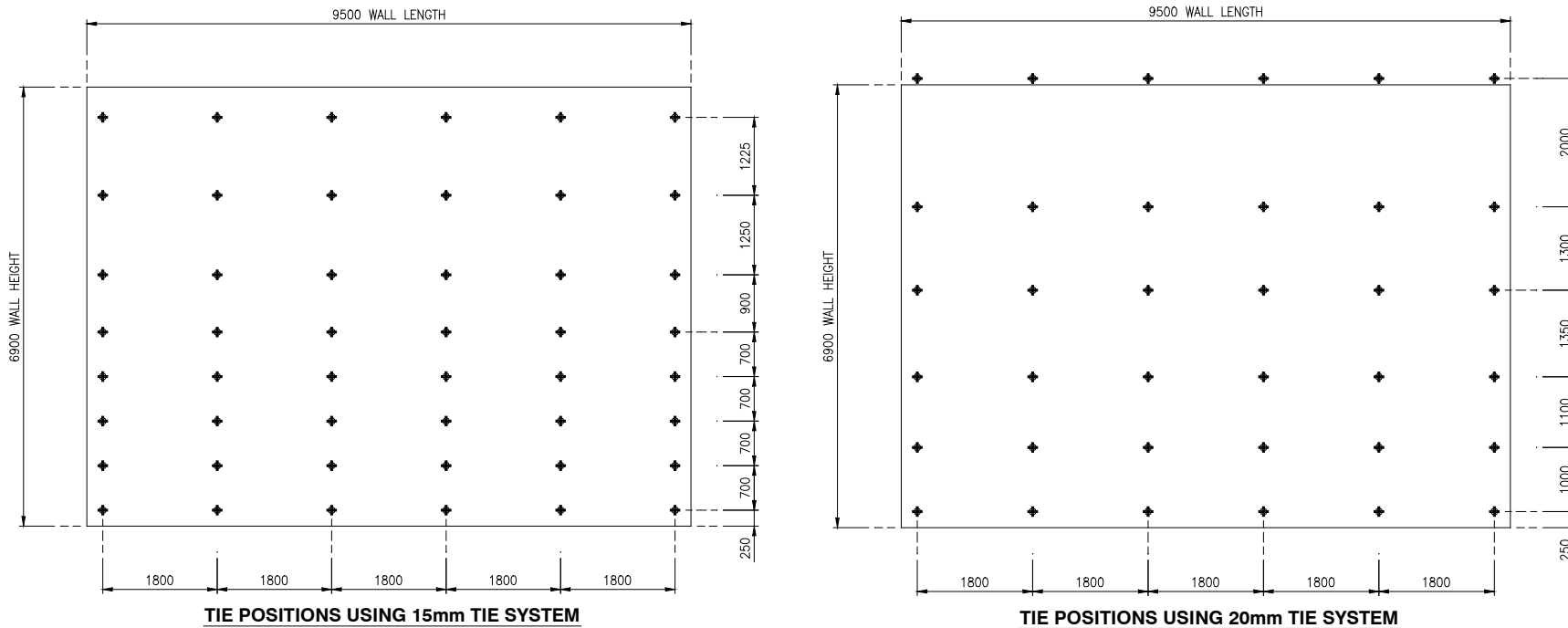
High quality concrete finish with minimum
number tie positions and good kicker joint
(Hi Load tie system used)



Case Study Tie Comparison

15mm against 20mm Rapid Bar Tie

- o Taking the wall pour shown in the case study photographs 6.9m high x 9.5m long



Elevation on walls indicating Tie Hole positions

15mm Rapid Bar Tie - 80kN/m² design pressure = 48 ties per pour

20mm hi-load ties - 80kN/ m² design pressure = 30 ties within wall pour

HI LOAD COST COMPARISON

15mm Rapid Tie System	Description	20mm Hi Load Tie System
8 (height) x 6 (plan) = 48No	<i>Ties through each pour</i>	5 (height) x 6 (plan) = 30No
48 No x 35 = 1,680No	<i>Total Ties for 35 pours</i>	30 No x 35 = 1,050 No
48 sets of tie equipment £693.00	<i>Total sale cost of tie equipment</i>	36 sets of tie equipment £907 (Hi-Load waller plates are hired)
1,680 x £10 = £16,800	<i>Labour cost of fixing, stripping and repairing tie holes = £10 per hole*</i>	1050 x £10 = £10,500
£693 + £16,800 = £17,493	<i>Total labour and material costs</i>	£907 + £10,500 = £11,407
OVERALL SAVINGS ACHIEVED ON THIS PROJECT £6,086		

* **Labour cost for use of the equipment made up as follows:**

- i) Fixing of tie bar through two plywood face holes in-between rebar
- ii) Stripping tie bar including loosening and removing knock on nuts
- iii) Repairing tie hole including the fixing of repair cones

2 men x 30 minutes
= 60 minutes x £10per hr
= £10 per tie hole