



### 1. Company & Product Identification

#### 1.1. Company Identification

Name	<b>Kimmo (Pty) Ltd</b>
Address	37 Fortune Street, City Deep Industrial Park, City Deep, Johannesburg, 2197
Telephone	27(11)6138319
Website	<a href="http://www.kimmo.co.za">www.kimmo.co.za</a>
Contact email	<a href="mailto:info@kimmo.co.za">info@kimmo.co.za</a>

#### 1.2. Product Identification

Trade Name	<b>KIMMO HONEYCOMB CORE</b>
Uses	Filler in doors and furniture
	Filler in automotive parts
	Buffer material
	Basis of Kimmo Honeycomb board
Quality standard	ISO9001:2015 (obtained in 2017)

### 2. Product Specification

	<i>Specification</i>		<i>Tolerance</i>
Paper weight	120 - 180 gsm		+/- 5 grams
Paper width	Maximum 2000mm		+ 0 / - 5 mm
	Standard 1600mm		
Paper width - Expanded	Maximum 1500mm		+ 0 / - 5 mm
Cell size	10.4mm	19.5mm	+ 0 / - 5 mm
Pitch	24mm	40mm	+ 0 / - 5 mm
Glue line	6mm	8mm	+ 0 / - 5 mm
Cell size reduction Ratio	1:25	1:37	+ 0 / - 5 mm
Cell size expansion Ratio	1:25	1:25	+ 0 / - 5 mm
Core thickness	9mm to 60 mm		+/- 0.2mm
Expansion Ratio	Between 20% & 25%		



### 3. Composition

#### 3.1. Paper

2 Types of paper are currently readily available to produce Honeycomb Core, as indicated below. Paper with different characteristics can also be sourced.

Name of Paper Used	Kimmo EconoCore	Kimmo PremiumCore
Description	EconoCore is made using paper that is a tried and tested general purpose fluting medium with consistent quality and excellent corrugating properties. It has established itself as the benchmark fluting medium in the South African market.	PremiumCore is made from paper that produces a high-performance semi-chemical fluting medium. The product consists of a combination of predominantly virgin fibre, blended with recovered fibre to impart superior strength properties to the fluting medium.
Available Grammages	125g/m <sup>2</sup> and 155g/m <sup>2</sup>	125g/m <sup>2</sup> , 150g/m <sup>2</sup> and 165g/m <sup>2</sup>
Fibre Sources	Bagasse fibre , recovered fibre	Virgin wood fibre , recovered fibre
<b>Parameters</b>	<b>Kimmo EconoCore 155gsm</b>	<b>Kimmo PremiumCore 125gsm</b>
Basis Mass Average - g/m <sup>2</sup>	155	125
Caliper - µm	236	190
Burst Strength - kPA	361	493
Concora, CMT0 - N/10A	358	384
Tensile Strength [MD] - Kn/m	8,98	10,70
Water Drop - Secs	N/a	446
Air Resistance [Bendtsen] - ml/min	180	104

#### 3.2. Glue used

Chemical Family	Water / Dispersed polymers
Chemical Name	Homopolymer dispersion of Polyvinyl Alcohol / Polyvinyl Acetate
Synonyms	PVA / PVAc Blend
Hazchem Code	4HC
Flammability	Non flammable

### 4. Commercial Considerations

Lead time	5 to 10 working days
Delivery	Gauteng ex works
Minimum order quantity	500kg
Production Capacity	6000m <sup>2</sup> /or 4000kg per day