

## D&D Technologies Pty Ltd

### Australian Packaging Covenant Plan 2011-2015



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## 1. Executive Commitment

*Our procedures outlined in the Australian Packaging Covenant Action Plan support this Government and Industry initiative to reduce the environmental effects of packaging on the environment. The Australian Packaging Covenant (APC) is designed to minimise the environmental impacts arising from the disposal of used packaging, to conserve resources through better design and production processes and to facilitate the re use and recycling of used packaging materials.*

*Our overall aim is to reduce any associated environmental impacts by continuous monitoring and implementation of good to great packaging and design practices. The guidelines and KPI's outlined in this document ensure that employees of D&D Technologies better understand and act on reducing the impact on the environment through marketing and product development.*

*The implementation of this APC action Plan also shows our commitment to expand initiatives on the use of recyclable content in packaging.*



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David A. Eustice

Chief Operating Officer

D&D Group Pty Ltd.

## **2. Company Details**

### **Profile**

*In Australia D&D Technologies manufacture, distribute and export a complete range of residential & commercial safety gate hardware, primarily focused on reliable toddler drowning prevention.*

*The customer base includes retail, trade, industrial and commercial and covers the fencing markets in Australia, New Zealand, USA and Europe.*

*Manufacturing and assembly is located in French's Forest, NSW, as are R&D and the Global Corporate Office.*

*Distribution warehouses are located across Australia and in California, USA. The balance of distribution globally is carried out through trading partners located in those markets.*

*Types of packaging materials used by D&D in Aus and US are cardboard boxes, cardboard cartons, paperboard and plastic blister packs made from PETG.*

*D&D has approx. 60 employees in Australia and 15 in the USA*

### **History**

*D&D Technologies is a company dedicated to the design and manufacture of top-quality, state-of-the-art gate hardware products.*

*Established in the late 1980's, D&D gained international recognition with the ground-breaking Magna-Latch magnetic latch for pool and other child safety gates, winning several prestigious design awards.*

*Since then, D&D has expanded operations and continues to be a market leader delivering innovative safety, privacy and security hardware solutions.*

*It is our policy to work closely with the fencing and locksmith industries, as well as safety groups and community organizations worldwide. It is only by evaluating and acting on their feedback that we are able to deliver products that fully satisfy our customer's needs.*

*D&D Technologies started out in Sydney, Australia, evolving from a family-owned fencing company in the late 1980's to become a worldwide market leader in gate hardware.*

*The owners of the D&D Aluminum fencing company had been frustrated at the lack of durable gate latches and hinges to complement their custom-made aluminum/glass pool fencing designs.*

*In 1988, one of the owners, David Doyle, saw a science program featuring "rare earth" magnets that never lose their magnetic force. Devising a latching mechanism around this idea, using engineering polymers and stainless steel to eliminate rust as well as jamming, the Magna-Latch was born. Soon other local fencing contractors and fabricators wanted to use it as well, and D&D Technologies was established to manufacture the latches.*

*Following the success of the Magna-Latch, D&D went on to design and manufacture a complete range of polymer-based latches and hinges at its Sydney premises, including the award-winning TruClose self-closing hinges, the general-purpose LokkLatch, and the Z LOCK Magnetic Gate Lock.*

*To take on the lucrative global market, our North American division - D&D Technologies (USA) - was established in 1996.*

*D&D Technologies now enjoys a reputation as the gate hardware leader around the world, with established markets in Australia, the US, Canada, the UK, Europe, and New Zealand. While we are in business to make a profit, we are proud of the fact that our products save lives.*

*D&D Technologies operates a fully accredited and internationally recognized ISO 9001 Quality Assurance System, which governs the design and manufacture of all our products.*

*The stringent guidelines of this system ensure the highest standards of quality, safety, and efficiency are maintained.*

*Our gate locks, latches, hinges, and accessories are made to last, using rust-free high-tech engineering polymers and stainless steel comp6/30/ 2011onentry.*

*Rigorous testing programs ensure our products are of the highest quality, enabling us to back them with a limited Lifetime Warranty.*

*As a member of the D&D Group, D&D Technologies is part of a family of companies that boasts three prestigious Australian Design Awards as well as a host of international awards, affiliations, and endorsements.*

## **Products**

*Our line of products include the Magna-Latch, a complete range of polymer-based latches and hinges at its Sydney premises, including the award-winning TruClose self-closing hinges, the general-purpose LokkLatch, and the Z LOKK Magnetic Gate Lock*

### 3. Products

#### *The World's #1 Child Safety Gate Latch*



*Magna-Latch Safety Gate Latches are designed specifically for securing gates around swimming pools, home yards and child care centres. They are the original and still the best magnetic latches on the market.*



#### *A Range of Gravity Latches for Every Situation*



*The LokkLatch range has a model for every gate material and most applications. LokkLatch models can be used for garden gates, apartments and commercial properties.*



## *Locking security for picket-style gates*



*Z Lokk is available in two models: One for gate frames of up to 1 5/8" and a longer-bodied model to fit gate frames up to 2 1/2". With dual security lock cylinders, the Z Lokk is an ideal choice for picket-style security gates.*

*We recognise that our business is not just in the products we manufacture and sell, but the role that they play in the everyday life of people that purchase them, helping create a safer environment for all age groups – and that goes beyond well designed and manufactured product.*



## *Regular*



*The TruClose Regular hinge range are suitable for gates weighing up to 55lb (25kg) with a maximum gate load up to 550lb/250kg. A number of options are available.*



## *Heavy Duty*



*The TruClose Heavy Duty hinge range are suitable for larger gates weighing up to 132lb (60kg). A number of options are available.*



## *Economical General Purpose Hinges*



*KwikFit gate hinges are the perfect choice for lightweight gates around the home. There are three varieties of hinges, as well as optional additions.*

*We recognise that our business is not just in the products we manufacture and sell, but the role that they play in the everyday life of people that purchase them, helping create a safer environment for all age groups – and that goes beyond well designed and manufactured product.*





#### **4. Contact Person**

*Further information on the D&D Technologies Australian Packaging Covenant can be obtained from the following contact:*

*Richard Zitzelsperger*

*Product Development Manager*

*Unit 6, 4-6 Aquatic Drive*

*French's Forest, NSW 2086*

*(02) 9454-7857*

*[rzitzelsperger@ddgroup.com.au](mailto:rzitzelsperger@ddgroup.com.au)*

## 5. D&D Technologies and the Environment

*D&D Technologies is committed to packaging minimisation and will continue to improve and integrate waste minimisation and its impact on the environment through reduction, reuse, recycling.*

*As part of our product design, upgrade and innovation criteria, packaging and packaging materials will be reduced without compromising existing company safety and quality controls.*

*Our key objectives are identifying and reducing environmental impact arising from our packaging materials used for products and transportation. This document details our initiatives currently underway, as well as outlines our future plans for improvement.*

*Currently only recyclable materials are used in product packaging, product production and product transportation.*

*Recycling labels are being added to all our product packaging.*

Table 1 - Types of Packaging Material used by D&D Technologies

<b>Packaging Type</b>	<b>Description</b>	<b>Typical Use</b>
Carton Board	Folding cartons	Use inside blister packs
Corrugated Board	Boxes made of corrugated cardboard	Product transportation
Blister Packs	PETG	Retail products,
Paper Labels	Sticky Labels	Carton identification
Plastic Bags	PVC	Trade Distribution and Hardware Packs

*D&D Technologies sources packaging and packaging materials from various local and international suppliers.*

## **6. Action Plan Initiatives**

### **6a. Overview**

*Our Action Plan covers 2011-2015 periods and outlines 3 key objectives with actions and associated performance goals.*

### **6b. Design**

*Continuous review and improvement of existing packaging using the ECoPP with the aim of reducing, re using and recycling where possible without impact to design.*

### **6c. Recycling**

*Researching, testing and implementing recyclable materials in the production of product packaging, such as recyclable glass bottles. And efficiently collect and recycle packaging.*

### **6d. Product Stewardship**

*Demonstrate commitment from D&D Technologies to achieve required targets.*

## 7. Action Plan Task List

To achieve our goals, we have set out the following targets and thus will be evaluating our performance as tabled below:

Performance Goal	Outcome	Key Performance Indicators	Targets
<p><b>1. Design</b> – optimize packaging to use resources efficiently and reduce environmental impact without compromising product quality and safety</p>	<p>Apply the Sustainable Packaging Guidelines to the New Product Process.</p> <p>Review all existing packaging in accordance to the guidelines.</p>	<p>1. Proportion of New and Existing products that are in accordance to the APC guidelines.</p>	<p>100% of D&amp;D A and B class products compliant by 2015.</p>
<p><b>2. Recycling</b> - efficiently collect and recycle packaging</p>	<p>Increase the percentage of D&amp;D's packaging content that is recyclable.</p>	<p>2. Percent increase over 2011 levels.</p>	<p>Continuous improvement in the recycling rate</p>
		<p>3. Implement on-site recovery systems for recycling used packaging. (recycling stations)</p>	
	<p>Increased the percentage of recycled materials used in D&amp;D's day to day operations.</p>	<p>4. Percent increase over 2011 levels.</p> <p>5. NA</p>	

Performance Goal	Outcome	Key Performance Indicators	Targets
<b>3. Product Stewardship - demonstrate commitment of all signatories.</b>	<i>Signatories in the supply chain working with others to improve packaging design and recycling.</i>	<b>6.</b> Add to the New Product Process a step to review packaging and recycling with Customers to potentially reduce the amount of packaging material or to increase the amount of recycled materials being used. <b>7.</b> Add to all of D&D's product and packaging symbols and markings that communicate their recyclable nature throughout the products lifecycle.	<i>An auditable process by 2015</i>
	<i>Reduction in litter.</i>	<b>8.</b> Reduction in the number of packaging items in litter.	<i>Continuous reduction in the number of packaging items in litter.</i>
	<i>Consumed energy reduction of packaging materials</i>	<b>9.</b> Identify and reduce packaging materials that require the highest amounts of energy to produce	<i>Complete review of all A and B class items by 2015</i>

## 8. Appendix

### Appendix 1

#### 2010 Packaging Materials By Type

	<u>Qty Purchased</u>	<u>Units</u> <u>Weight/</u> <u>KG</u>	
2010 Packaging Materials By Type		72,367	Kg
Corrugated Carton	53,769	36,615	51%
Paper Instruction	626,831	4,602	6%
Paperboard Card	170,840	11,093	15%
PETG Clamshell	107,050	11,665	16%
Plastic Bag	1,204,983	8,392	12%
Ratio of Packaging/Products		18%	

### Appendix 2

#### Products Sold 2010

<u>Stock code</u> <u>ST03017</u>	<u>Description/</u> <u>Percentage</u>	<u>Unit sold</u> <u>01/07/09-30/06/10</u>	<u>Total Units Weight Packaging</u> <u>inclusive/KG</u>
Total Weight	-	-	<u>407964</u>
BHPC	2%	353132	8652
EM	0%	17223	927
FC	1%	28123	6062
FORT	0%	712	809
HARD	0%	42007	102
KFH	2%	34590	8600
LB	1%	4808	4268
LKLH	14%	166803	59053
MAG	1%	7600	4826
MALH	42%	290382	171871
MUFT	0%	4100	820
OT	2%	33514	7299
PROM	3%	75212	11313
TRCS	30%	265390	123362

Appendix 3

Unable to obtain required information due to non cooperativeness of supplier.



End of D&D Technologies Pty Ltd National Packaging Covenant Plan 2011-2015