# THE BENEFITS OF REUSING TYRES

ROAD SURFACING







TYRECYCLE STARTED IN 1992
AS A DIVISION OF A MAJOR TYRE
MANUFACTURER. BUT TODAY WE ARE
AUSTRALIA'S LEADING RECYCLER FOR
ALL TYPES OF TYRES, TURNING SCRAP
TYRES INTO RUBBER CRUMB FOR USE
IN INNOVATIVE PRODUCTS.

Our processing and collection capabilities service every state of Australia. This includes our head office at Somerton in Melbourne that has the largest crumbing plant in the nation making rubber crumb, granules, buffings and even Tyre Derived Fuel (TDF). Incidentally, we are the only producer of TDF in Australia that can guarantee full chain of custody for all materials processed and supplied, ensuring that our raw materials are used in an environmentally sound way.

Our contribution to the environment is a crumb and granule process that serves many markets. Along the way it has put us at the forefront of tyre recycling and the reuse of rubber products.

#### RUBBER CRUMB

Recycled Rubber Crumb Asphalt (RCA) and spray sealing accounts for about 25% of the Australian recycled rubber market. Recycled rubber is perfect for the construction of road surfaces enhancing their performance, significantly reducing road noise and extending the life of our roads by making them more durable and sustainable.

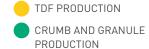
Tyrecycle recycled rubber products are:

- 100 percent Australian made;
- · Available for quick turnaround on delivery;
- Available Australia-wide;
- Able to be delivered to a fixed processing facility or mobile batching location.

PRODUCT RANGE	30 mesh rubber crumb		• 40 mesh rubber crumb
FEATURES		BENEFITS	
Controlled processing and storage conditions guarantee < 0.8% moisture in all of the Tyrecycle rubber crumb products.		Provide certainty when adding to bitumen and asphalt formulations.	
Tyrecycle rubber crumb is produced from 100% recycled truck tyres with <b>negligible fibre content.</b>		Product flows more readily through feed systems.	
Tyrecycle rubber crumb is produced through 4 stages of magnetic separation to ensure it has <b>zero steel content.</b>		<ul><li>Eliminates downtime from bridging and blockages.</li><li>Minimises wear on plant and equipment.</li></ul>	
Tyrecycle can supply in a broad range of packaging configurations -  10kg plastic bags. (these bags will dissolve and are designed for use in asphalt plants)  25kg paper bags.  300kg - 1000kg bulk bags.		<ul> <li>Delivery can be tailored to customer sizing and quantity requirements.</li> <li>Largest producer and stock holdings in Australia allows asphalt and project managers to have confidence when ordering.</li> </ul>	

# WE ARE COMMITTED TO DRIVING THE CIRCULAR ECONOMY

At Tyrecycle, we've been giving old tyres new life for over 30 years. With a national network of dedicated tyre processing plants Australia-wide, we deliver strong economic and environmental outcomes by re-purposing materials otherwise destined for landfill.







1 COLLECTION AND SORTING

Tyrecycle collects and sorts approximately 20 million tyres every year, diverting them from landfill.



Waste tyres are cut down in size to ensure safer handling as they undergo the first steps in the tyre recycling process, or are manufactured into TDF.



#### FEEDSTOCK

Tyrecycle's advanced rubber recycling process can turn feedstock into either Tyre Derived Fuel (TDF) or a wide range of rubber crumb products.



## SHRED ENTERS RASPER TO LIBERATE STEEL

Tyrecycle rubber is processed through four stages of magnetic separation to ensure it has steel removed, helping Tyrecycle maintain its recycling rate of 99%.



Our full chain of custody and strict testing and control regimes, means our customers can be guaranteed quality TDF with sustainable environmental outcomes.



### ENTERS THE GRINDING MILLS FOR SIZING

Rubber is reduced to a range of sizes and products, including rubber granulate of varying dimensions or rubber crumb.



## END PRODUCTS OF RUBBER CRUMB AND GRANULES

Tyrecycle's recycled rubber is highquality ideal for a wide range of applications, including playground surfaces and road construction.



## TDF BENEFICIALLY REUSED TO REDUCE FOSSIL FUEL CONSUMPTION

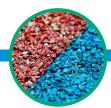
150,000 tonnes of TDF is equivalent to taking 37,286 cars off the road for a year.



Drainage aggregates



Road surface



Sporting, playground and soft fall surfaces



Brake pads



Tyre Derived Fuel (TDF)

Tyrecycle continues to work with government and industry to increase awareness of the importance of tyre recycling and the promise of associated product development.

## LOCATIONS

#### National Phone Number

1300 4 TYRECYCLE [1300 489 732]

Phone +61 (0) 3 8339 3501 Fax +61 (0) 3 9305 2545 Email sales@tyrecycle.com.au

#### **AUSTRALIAN**

HEAD OFFICE (VIC) 30-56 Encore Avenue Somerton VIC 3062

#### **MELBOURNE**

30-56 Encore Avenue Somerton VIC 3062

#### **ADELAIDE**

8 Meyer Road Lonsdale SA 5160

#### **PERTH**

10 Keegan Street O'Connor WA 6163

#### **SYDNEY**

36 Stenhouse Drive Cameron Park NSW 2285

1/21 Grady Crescent Erskine Park NSW 2759

#### **BRISBANE**

Lot 1 Gypsum Drive Redbank Plains QLD 4301

**COMPANY COLLECTIONS** (ANY STATE) 1300 489 732

#### **Chain of Custody Guarantee**

Tyrecycle controls the end of life destinations for all our products, to ensure the full chain of custody in our recycling processes. With strict documentation and process controls, Tyrecycle is able to supply reports supporting the end destinations of our products.

#### CERTIFICATIONS AND ACCREDITATIONS



























#### **FIND OUT WHAT** WE CAN DO FOR YOU.

**Head Office** 

30-56 Encore Avenue Somerton Vic 3062

1300 4 TYRECYCLE 1300 489 732 sales@tyrecycle.com.au



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