

# Repurposed Pavement Material

## Reconobase

Profiled pavement materials re-purposed as a substitute for traditional quarried pavement materials.

Reconobase® consists of mixed cold planned granular and asphalt pavement materials, normally destined for landfill, processed to create an enhanced quarry pavement material. In doing so, the reliance on traditional quarry materials and the associated environmental impacts of extraction and processing of new materials is significantly reduced.

Normal industry practice is to separate reclaimed asphalt pavement (RAP) so that it can be processed for reuse in new asphalt mixes, however not all RAP can be repurposed into asphalt mixes due to the granular material content. This material would then generally be diverted to a waste fill facility. Downers repurposing of this material effectively turns waste road infrastructure into a sustainable resource.

The product is screened and crushed to achieve a nominal 20mm graded pavement. The product has a residual bitumen content which enhances the mechanical interlocking and binding of the granular particles, contributing to improved structural performance, strength, durability and resistance to deformation.

### Benefits include:



Reuse of reclaimed asphalt and granular materials  
Diversion from landfill



Increase life cycle of road pavement design



Registered under DIT (SA) specification as a 20mm Class 2 PM 2/20RG recycled rubble



Significant reduction of Carbon emissions



Reduced reliance on virgin quarry materials



Reduced maintenance costs



100% recyclable product



Dust suppression through bitumen content

## Where to use

Reconobase can be utilised on any project where traditional aggregates are specified:

- Intermediate structural layer for new road construction
- Unsealed rural roads
- Road shoulder construction & repair
- Hardstand areas
- Paths, fire-tracks & walking trails
- Light-duty carparks & Driveways

## Specification

Reconobase has DIT (SA) registration under 20mm Class 2 Recycled Pavement Material.

Product property	Method	Typical values 20mm Class 2
Test Procedure	Manufacturing	PM 2/20RG
Particle Size Distribution TP134	Sieve Size (mm)	Percent Passing
	53	
	37.5	
	26.5	100
	19	90-100
	13.2	74-96
	9.5	61-85
	4.75	42-66
	2.36	28-50
	0.425	11-27
0.075	4-14	
AS1289.3.1.2	Liquid Limit	Maximum 28%
AS1289.3.3.1	Plasticity Index	Minimum 1%
AS1289.3.4.1	Linear Shrinkage	Maximum 4%
RMS T276	Type II Foreign	Maximum 1%
	Type III Foreign	Maximum 0.5%
AS/NZS2891.3.3	Bitumen Content	Maximum 1%
AS1141.23	LA Abrasion	NA
	LA Abrasion	Maximum 45%

## Application

Reconobase is supplied wet-mixed to Optimum Moisture Content (OMC) and placed using traditional civil methods much like any other quarried pavement material.

## Enquiries & Orders

**Josh Harvey**  
0437 284 129  
Joshua.Harvey@downergroup.com  
South Australia

Sufficient compaction and rolling will provide a hard, durable and uniform surface.

The minimum recommended pavement thickness is 100mm.

## Storage and handling

Reconobase can be handled in the same way as conventional pavement material with no additional requirements.

## Environmental

- 100% recyclable product
- Significant reduction of Carbon emissions, enhancing environmental project rating
- Reduced reliance on quarrying of raw materials
- Repurposing of material normally downcycled

## Health and safety

Reconobase is classified as conventional granular pavement materials. The Safety Data Sheet is available upon request.

## Supply

Reconobase is manufactured and supplied under strict quality control on demand to a nominated specification and tested for compliance under NATA accredited laboratory and is available from Downer's Recycling Facility at Wingfield.



**James Lemon**  
0428 336 875  
James.Lemon@downergroup.com  
South Australia