

ER-MB20

(Heavily Bound Pavement Course - Slag Based)

Can be supplied to meet RMS QA Specification R73 including 3051 Ed6 by prior arrangement.

Overview

SCE Resources produces a high quality heavily bound pavement material using a blend of slag which is a product of the iron and steel making process, flyash which is generated through the operation of coal fired boilers using Australian black coal, recycled crushed C&D material along with recycled crushed cement fibre board direct from the manufacturer.



ER-MB20 Constituents are imported separately and stockpiled at our two EPA licensed Resource Recovery facilities located at Newcastle and Wollongong NSW.

Once aged and tested, the constituents are then blended using a state of the art computer controlled pug mill, providing full control of blend ratios and product moisture. This control allows for moisture adjustment at anytime during the batching process to meet the clients requirements.

Prior to sale ER-MB20 constituent materials are sampled and tested to ensure compliance against the applicable Protection of the Environment Operations (Waste) Regulation 2014 - General and Specific Orders.

Technical Data

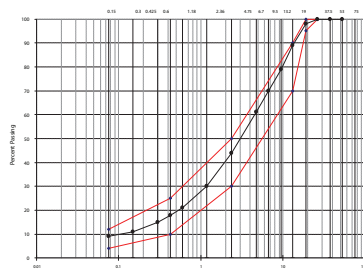
Typical Physical Properties:

note - all results are indicative only.

**values obtained using test method RMS T111 standard compaction.*

#results obtained after material has been pretreat- ed by repeat compaction using RMS T102 CA3.

MDD*:	2.02t/m ³
(Maximum Dry Density)	
MWD*:	2.34t/m ³
(Maximum Wet Density)	
OMC*:	16.0%
(Optimum Moisture Content)	
CBR*:	>100%
(California Bearing Ratio)	
PI:	Non Plastic
(Plasticity Index)	
UCS*#:	>3.0MPa
(Unconfined Compressive Strength)	
Misshapen Particles:	>10%
(particle shape by proportional caliper)	
Wet Strength:	>100Kn
Wet Dry Variation:	<35%
Available Working Time:	>48hrs
(as per RMS test method T147)	



Typical Particle size distribution (RMS 3051 Ed6 MB20)

Blended ER-MB20 material to be bound and, when required, tested against RMS 3051 Ed6 MB20 and certified using an independent laboratory issuing NATA accredited reports which are.



Common Applications

- Roadbase - Used as a heavily bound Base and Subbase pavement material in the construction of State highways through to site access roads and driveways.
- Select/Structural Fills - Suitable for use as high quality easily compactible select/structural fill material with low moisture sensitive properties.
- Hardstands - Suitable for use in the construction of unsealed/ sealed hardstands requiring long term high load bearing strength and durability.

Benefits

Benefits from using recycled materials in roads and other civil works include:

- Protecting stocks of natural resources.
- Protecting the environment from further degradation.
- Potential cost savings.
- Ensuring local industry is working towards international best practice.
- Assisting local government and industry to ensure development is ecologically sustainable.

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