

Category: Construction Materials		ROYALTY: \$0.52 per Tonne
Extractive Minerals		
The <i>Mining Act 1971</i> states that “ extractive minerals means sand, gravel, stone, shell, shale or clay, but does not include – (a) any such materials that are mined for a prescribed purpose; or (b) fire clay, bentonite or kaolin.”		
Refer to the “ Prescribed Purpose ” definition below for more information on prescribed purposes.		
COMMODITY	DESCRIPTION/COMMENTS	USE
Basalt	Dark fine-grained volcanic rock	Choose one of these uses for any General Rock Product: Aggregate - General Purpose (<i>general purpose aggregate used for drainage, erosion control etc.</i>) Ballast (<i>railway ballast</i>) Concrete Aggregate (<i>crushed and screened rock used in concrete</i>) Crusher Dust (<i>crushed rock used as a subbase for paving and slab fill etc.</i>) Decorative Stone (<i>landscaping stone and aggregate, and exposed aggregate in concrete or wall panels</i>) Filling (<i>crushed rock and rubble used for general filling incl. lower specification base</i>) Road Base (<i>crushed rock used for road construction</i>) Road Seal Aggregate (<i>crushed and screened rock used for road seal</i>) Spalls (<i>Rip Rap and Breakwater Stone</i>) Specification Sand
Calcrete	Surface layer of rubbly or sheet limestone up to 2m thick common throughout SA	
Dolerite	Dark, medium-grained igneous rock	
Dolomite	Sedimentary rock containing sufficient of the mineral dolomite to be the dominant influence on the physical properties of the rock	
Gabbro	Dark coarse-grained igneous rock. Includes norite (Black Granite from Black Hill)	
Gneiss	Coarse grained, banded rock formed by the metamorphism of sedimentary or granitic rock. Usually of the same composition as granite	
Granite	Coarse-grained light-colored igneous rock consisting chiefly of quartz, feldspar and mica	
Gravel (natural)	Creek or river gravel including buried deposits	
Ironstone	Lateritic soils and ironstone capping	
Limestone	Sedimentary rock containing sufficient calcium carbonate mineral (usually calcite) to be the dominant influence on the physical properties of the rock	
Marble	Metamorphic rock formed by alteration of limestone or dolomite	
Metasiltstone	Fine grained homogeneous usually grey-coloured rock formed by metamorphism of siltstone	
Pegmatite	Very coarse-grained light-colored crystalline rock composed chiefly of minerals found in granite	
Quartzite	Rock formed from the metamorphism of sandstone	
Rhyolite	Fine-grained volcanic rock similar to granite in composition	
Sandstone	Sedimentary rock containing sand-sized particles mainly quartz	



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Schist	Medium-grained to coarse-grained metamorphic rock characterised by layers of mica minerals	
Shell Grit	Sand made up of shell fragments	
Siltstone	Sedimentary rock composed mainly of silt-sized particle that is not easily split into thin layers. They are intermediate between sandstones and shales	
Slate	Fine-grained metamorphic rock that splits into thin, smooth-surfaced layers	
Sand	Mortar, plaster, and bricklaying sand	Building
	Concrete sand	Concrete
	General filling, garden sand, paving and landscaping sand, loam	Garden/filling
	Specification filling sand for pipeline trenches etc	Packing
	Road and track construction	Road Formation
Shale	Fine-grained sedimentary rock composed mainly of clay-sized particles and is easily split into thin layers	Filling Road Formation
Shale - White	White or cream, pale-firing weathered shale	
Shale - Coloured	Red-firing or other darker coloured-firing weathered shale	
Clay White Plastic Red Plastic	Natural plastic clay deposits deposited as sediment.	
<p>Extractive Areas Rehabilitation Fund</p> <p>The Extractive Areas Rehabilitation Fund (EARF) is constituted under Section 63 of the <i>Mining Act 1971</i>. Funds are contributed to the EARF from a portion of the royalty paid on extractive mineral production in SA. The fund is designed to facilitate the rehabilitation of extractive mineral mine sites.</p> <p>Funds for this purpose are allocated for approved rehabilitation projects according to the terms of the EARF Guidelines for Operation.</p> <p>Refer to the PIRSA website for more information on the EARF: http://minerals.statedevelopment.sa.gov.au/mining/extractive_minerals/extractive_areas_rehabilitation_fund_earf</p>		



Category: Prescribed Purpose and Declared Extractive Minerals		ROYALTY: 3.5% of Sales Value
<p>Fire clay, Bentonite or Kaolin</p> <p>Prescribed Purpose definition of extractive minerals under the Mining Act 1971</p> <p>The following are <i>prescribed purposes</i> of the definition of <i>extractive minerals</i> under the Act:</p> <ul style="list-style-type: none"> (a) chemical, cement, lime and glass manufacture; (b) metallurgical flux, refractories and industrial fillers; (c) foundries, fertiliser, agricultural, jewellery and crafted ornamental uses; (d) any purposes connected with the production of dimension stone. 		
COMMODITY	DESCRIPTION/COMMENTS	USE
Gneiss	Cut or block stone used for building stone, monumental and ornamental purposes including walling, paving, roofing and bench tops	Dimension Stone
Granite		
Limestone		
Marble		
Metasiltstone		
Norite		
Sandstone		
Slate		

Category: Industrial Minerals		ROYALTY: 3.5% of Sales Value
COMMODITY	DESCRIPTION/COMMENTS	USE
Alunite	Production of alum	
Andalusite	Refractory products eg. refractory bricks	
Anatase	rare polymorph of rutile	
Barite	Barium chemicals, Filler, Medical Oil drilling mud	Industrial Drilling
Bentonite		
Calcrete	Surface layer of rubble or sheet limestone up to 2m thick used for fertilizer	Agricultural
Celestite	Source of strontium used in ceramic and glass manufacture	
Cement Shale	Manufacture of cement including low alkali cement	
Diamond	Abrasives	
Dolomite	Metallurgical flux, Glass making flux, Chemical	Industrial Agricultural



Category: Industrial Minerals		ROYALTY: 3.5% of Sales Value
	Fertilizer	
Diatomite	Filtration, abrasive, filler, insulation, horticulture	
Feldspar	Glass and ceramics manufacture, Fillers	
Fire Clay		
Garnet	Abrasives	
Graphite	Refractory crucibles, Lubricant, Protective paint	
Gypsum	Plaster and plasterboard Fertilizer	Plaster Cement Agricultural
Ilmenite	Titanium compounds	
Kaolin	Refractory bricks (fire clay), ceramics, cement, fillers	
Kyanite	Refractory products eg. spark plugs	
Leucosene	Titanium compounds	
Lime Sand	Flux in iron and Ag-Pb smelting (<i>calcareous dune sands</i>)	Agricultural Flux
Limestone	Soda ash (sodium carbonate) production Fertilizer Metallurgical and Glass Filler	Chemical Agricultural Cement Flux Whiting
Magnesite	Chemical, pharmaceuticals, refractories	
Marble	Soda ash (sodium carbonate) production Fertilizer Metallurgical and Glass Filler	Chemical Agricultural Cement Flux Whiting
Mica	Insulating material, filler	
Micaceous Hematite	Pigment	
Monazite	Contains Rare Earths	
Palygorskite	Absorbent, drilling mud	
Peat	Agricultural, garden	
Phosphate	Phosphorous fertilisers	
Potash	Source of potassium for fertilisers	
Rutile	Welding rods, titanium alloys	



Category: Industrial Minerals		ROYALTY: 3.5% of Sales Value
Salt	Soda ash production, food, water treatment	
Shell Grit	Glass manufacture, cement Fertilizer	Industrial Agricultural
Silica	Rocks containing mainly silica – quartzite, flint, vein quartz etc. Used for silicon alloys, steelmaking flux and abrasives	
Silica Sand	Water filtration medium Foundry molds and cores for metal casting Paint, paper, plastics, ceramics	Filter Foundry Glass
Sillimanite	Refractories	
Talc	Pharmaceutical , cosmetic Paint, paper, plastics, ceramics	Pharmaceutical Filler
Vermiculite	Various uses including insulation, lightweight filler, and horticulture	
Wollastonite	Asbestos substitute, filler	
Xenotime	Contains Rare Earths	
Zircon	Source of zirconium	

Category: Energy Minerals		ROYALTY: 5% of Sales Value
Coal		No use defined
Uranium Oxide		

Category: Refined Metals		ROYALTY: 3.5% of Sales Value
Cobalt		
Copper		
Gold		
Lead		
Silver		
Steel / Pig Iron		
Thorium		
Zinc		



Category: Specified Mineral Ores and Concentrates		ROYALTY: 5% of Sales Value
Iron Ore – Hematite DSO	High-grade ore	No use defined
Iron Ore – Magnetite DSO	Low-grade ore	
Iron ore – magnetite concentrate		
Heavy Mineral Concentrate	Includes the minerals Anatase, Ilmenite, Leucoxene, Monazite, Rutile and Zircon	
Rare Earth Elements	Ore or concentrate	
Contained copper in ore, concentrate or cement		
Contained gold in ore or concentrate		
Contained silver in ore or concentrate		
Contained lead in concentrate		
Contained zinc in concentrate		

Category: Gems and Semi-precious Stones		ROYALTY: 3.5% of Sales Value
Amethyst		No use defined
Calcite	Banded varieties	
Chrysoprase		
Diamond		
Jade		
Opal		
Quartz	Includes clear and smoky quartz (morion) crystals	
Sapphire		
Scholzite	Mineral Specimens	
Talc	Carving stone	
Tourmaline		
Staurolite		
Topaz		

**Mineral Commodity Enquiries**

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Important

Please note that this commodity list is not a comprehensive list of all minerals found within South Australia. Any mineral or commodity omission does not preclude those minerals from the operation of the Mining Act 1971.