

Rock Test Description	Size of Samples requested (Lengths of Diamond drill core : 50-85 mm diameter)
Natural moisture content	50mm
Dry density	50mm
Porosity	50mm
Hardness (Sklerograf and Shore Scleroscope)	100mm
Schmidt Rebound Hammer Hardness	200mm
Ultrasonic P-wave & S-wave Velocity Measurements	200mm
Point Load Strength Index (axial)	100mm
Point Load Strength Index (diametric)	100mm
Splitting ("Brazilian")Tensile Strength	50mm
CCNBD Fracture Toughness (Core diameter >55mm)	100 mm
CNSR Fracture Toughness (Core diameter <55mm)	100 mm
Flexural Strength	300mm
Modulus of Rupture	300mm
Punch Shear Strength (unconfined shear strength)	50mm
Direct Shear Strength of Rock Joint or Saw Cut	200mm
Uniaxial Compressive Strength	200mm, or 3 times the core diameter (whichever is greater)
Unconfined Swelling Index or Duncan Free-Swell Test	100mm
Confined Swelling Index (radially confined swelling strain)	100mm
Confined Swelling Index (zero volume change swelling pressure)	100mm
Triaxial Compressive Strength test	200mm, or 3 times the core diameter (whichever is greater)
Creep Test	200 mm
Slake durability Index	400mm
CERCHAR Abrasiveness	100 mm
Taber Abraser Test	100mm
Goodrich Drillability Test	100mm
Sievers J-value Test	100 mm
Cone Indenter Test	100mm
Punch Penetration Index (Morris, Dresser, RBi Test)	100 mm
Stamp Test	100mm
Petrography	50 mm
X-Ray Diffraction	50 mm
Paddle Abrasiveness Test / Bonds Abrasion Index	<i>1500mm in total, in fragments >50mm long</i>
Abroy / LCPC Abrasimètre Test	<i>1500mm in total, in fragments >50mm long</i>
Norwegian Abrasion Value Test (NAV, AVS)	<i>750mm in total, in fragments >50mm long</i>
Soil Abrasion Test (SAT)	<i>2 kg of sand (<4mm diameter particles)</i>
Soft Ground Abrasion Test (SGAT)	<i>35 kg of sand (<10mm diameter particles)</i>
Rock Impact Hardness Number	<i>500mm in total, in fragments >100mm long</i>
Coefficient of Rock Strength	<i>500mm in total, in fragments >50mm long</i>
Swedish Brittleness Test	<i>500mm in total, in fragments >50mm long</i>
Sodium Sulphate Soundness Test	<i>500mm in total, in fragments >50mm long</i>

Packing of rock core specimens for transportation to laboratory for strength testing.

1. Wrap length of core in cling-wrap and Alfoil.
2. Seal with masking tape or strapping tape.
3. Wrap in sheets of bubble-wrap.
4. Obtain lengths of plastic drain pipe, with diameter at least 20 mm greater than core.
5. Cut the pipes axially with power hack-saw.
6. Place the wrapped cores inside the split halves of the plastic pipes.
7. Fill the gaps between the outside of the wrapped cores and the inside of the pipes with Styrofoam pellets or crumpled up newspapers.
8. Place the 2 halves of the split pipes together, and tape them together with packing tape.

N.B. A LIST OF SPECIMEN IDENTIFICATION NUMBERS, AND THE TESTS REQUIRED, SHOULD BE INCLUDED IN EACH PACKAGE OR CORE BOX, AS WELL AS A LABEL UNIQUELY IDENTIFYING EVERY INDIVIDUAL SAMPLE.

Commercial Harmonised Code 681599 “Other articles of stone and other mineral substances”

Australian Government : Department of Agriculture and Water Resources

Import Conditions :

Mineral and metal ores, rock and sand

This commodity includes:

1. non-organic material sourced from greater than 2 metres below the earth’s surface

The consignment must be clean and free from biosecurity risk material

NOTE: When clearing air cargo consignments, detailed product descriptions should be provided when completing the

Self Assessed Clearance declaration.

Providing a detailed product description will ensure that consignments are correctly profiled. For example, declare "pure copper concentrate" or "processed copper concentrate" instead of "Mineral".