

// ROCKFALL DEFENCES



AVALON HAS AN ENVIABLE REPUTATION AND TRACK RECORD IN NEW ZEALAND. OUR KEY STAFF HAVE BEEN INVOLVED IN ROCKFALL AND SLOPE REMEDIATION IN DIFFICULT ACCESS LOCATIONS SINCE THE LATE 1980'S.

We apply our engineering knowledge and site experience to deliver practical solutions, installing a range of proprietary and purpose built rockfall defences. World leader MACCAFERRI has vast experience having been at the forefront of rockfall and slope remediation product development for over 100 years. AVALON and MACCAFERRI are a winning team.

// HIGH ENERGY BARRIERS

MACCAFERRI has developed various flexible barrier systems to cover a wide energy absorption spectrum, up to 5 tonne boulders travelling at 34km/hr.

HEA wire rope panels

Dynamically and statically tested

CE European Certified; energy absorbing splices

250 to 3,000kJ energy absorption capacity

OM250, OM1,000, OM2,000 & OM3000



ABOVE. High energy barrier.

// DRAPED REINFORCED MESH

MACCAFERRI

To deal with higher energy rockfall AVALON can offer the following MACCAFERRI reinforced mesh solutions. These can be used in combination.

STEELGRID MO; mono-reinforced mesh

STEELGRID BO; bi-reinforced mesh

HEA PANELS; high energy wire rope panels

// DRAPED DOUBLE TWIST MESH

Draped mesh is one of the simplest means of mitigating rockfall hazards; the mesh curtain safely guides rockfall to the toe of the slope. Installations are designed for easy debris removal and accommodates debris build up with a factor of safety. Installation is rapid and cost effective.

MACCAFERRI DOUBLE TWIST MESH is available with a PVC and zincalume coating, giving it the highest durability of any mesh on the market.

The deformation characteristic of the mesh absorbs energy, minimising anchor loading and localising any damage. Double twist construction ensures that the failure of one strand does not compromise the panel (as is the case with single twist).

// CATCH FENCES

Lower angle slopes with relatively small rockfall or locations with run-out often do not justify the cost of imported high energy barriers. AVALON can engineer, supply and install cost effective purpose built site specific solutions.



ABOVE. Reinforced mesh.

// AVALON RAPID MOBILISATION SERVICE

24 HR CALL NUMBER 07 846 1686