



**PARARIB**

High Strength Flame Retardant Mesh

## CASE STUDY

**PROJECT**  
VARIOUS

**DESIGNER**  
MINOVA-WELDGRIP

**SYSTEM**  
ROOF-BOLTING

**PRODUCT**  
PARARIB™

**GRADES**  
30kN/12kN, 30kN/30kN,  
80kN/80kN, 100kN/100kN,  
160kN/60kN and 200kN/100kN.  
Please note that custom grades are  
available upon request.

**Linear**  
**COMPOSITES**

Linear Composites Limited  
Vale Mills, Oakworth, Keighley,  
West Yorkshire, BD22 0EB, UK  
Tel: +44 (0)1535 643363  
Fax: +44 (0)1535 646889  
www.linearcomposites.com  
Email: mail@linearcomposites.com

## PARARIB™ TUNNEL SUPPORT SYSTEMS

### ROOF-BOLTING | MINOVA-WELDGRIP



Minova – Weldgrip have distributed **PARARIB™** for a number of years. **PARARIB™** is used globally in coal mining industries to compliment the specialised system of roof-bolting. Traditionally tunnel roof reinforcement was achieved using heavy-duty steel structures which are both expensive and time consuming to install. Roof-bolts are a more efficient tunnel reinforcement solution.

Roof-bolts are installed in several locations via polyester resin cartridges, the bolts act as a means of primary support. **PARARIB™** is fitted to the roof-bolts bearing plates acting as a containment system. When the polyester resin has set the bolts are pre-tensioned to give a stiff system of support.



As mining operations progress the roof-bolting system provides the support required to prevent tunnel collapses, while **PARARIB™** arrests falling debris, preventing serious injury to personnel and damage to valuable equipment working in the mine.



The following characteristics make **PARARIB™** an ideal material to be used in conjunction with tunnel reinforcement systems:

- Available in a wide range of tensile strengths (up to 200/100kN)
- Low elongation
- Flame retardant (to ISO 9705:1993)
- Flexible and easy to cut
- Light weight
- Highly visible
- Safe and easy to use

A Member of the Maccaferri Group

**MACCAFERRI**

Linear Composites Ltd reserves the right to amend product specifications without notice and specifiers are requested to check as to the validity of the specifications they are using.