



PIPE REPAIR BANDAGE

INDUSTRIAL HOSE CASE STUDY

EMERGENCY REPAIR SOLUTION FOR INDUSTRIAL HOSES

Rapp-it is suitable for use on material handling hoses, industrial hoses, waste pipes and processing lines commonly found in nickel and other mineral processing facilities.

SCOPE

The customer advised that they had a damaged material handling hose due to the pressure and contents of the mineral ore running through it. The hose required an urgent repair or unplanned shutdown maintenance was needed, costing thousands of dollars in unnecessary downtime.



Pipe Substrate	Industrial Rubber Hose
Pipe Contents	Nickel sludge
Internal Pressure (psi)	117psi / 800kPa
Temperature (°C)	0°C – 45°C
Pipe Diameter (mm)	250mm
Damaged Area (mm)	Multiple damaged areas

SOLUTION

Industrial hoses are great for transferring harsh and abrasive products throughout processing facilities. However, sometimes abrasive materials can impact the integrity of the hose. In these two examples, the customer was unable to weld or clamp the hose. The customer applied 23 Rapp-it Pipe Repair Bandages (100mm x 4.8m) around the damaged area. The materials handling hose was up and running at full capacity 30 minutes after application.

