



# PRODUCT CATALOGUE



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# COMPANY INFORMATION

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## COMPANY PROFILE

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Terramin (Pty) Limited is an innovation-led ventilation, occupational health and environmental (VOHE) solutions provider to the African underground mining industry. With Level 6 B-BBEE accreditation and an established local and international network built over the past 37 years, the company represents a number of companies' interests in Sub-Saharan Africa and abroad, and carries a diverse range of self-developed and mostly South African manufactured products, all of which are detailed in this Product Catalogue.

## LOCATION

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Terramin (Pty) Limited is an original equipment manufacturer (OEM), with an administrative Head Quarters in Brooklyn, Pretoria and a 2500 square metre workshop manufacturing facility in Waltloo, which supports our marketing and administrative functions.

## PHILOSOPHY

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Terramin's company philosophy is based on the following core principles, which we believe differentiates us from our competitors and enables us to continue to grow in an evolving industry:

- Safety
- People
- Service
- Quality
- Local South African manufacturing

## HISTORY

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Terramin (Pty) Limited was founded in October 1980 by Founder/CEO, Martin van Schoor, in response to the need for a solution for leaking underground ventilation columns in mines. With the original product, SEALADUCT® 80, which is still used, Martin addressed this problem and has since diversified Terramin's product offering to include a range of flexible PVC ducting and accessories, as well as other underground mining applications with the support of our team. The company's growth as a family business maintains our core competencies with a key focus on ensuring relationships are created, fostered and nurtured across the board, as if all stakeholders are part of the Terramin family. While our focus on customer service is integral to the functioning of our business, we are also focusing our efforts on growing our digital presence, and have recently updated our website to this effect. As our export markets grow in Africa and elsewhere, we continue to look for opportunities to create strategic platforms through local partners to assist our expansion plans. This product pamphlet forms part of our efforts to communicate our service offering to our valued client base, as well as to all of our staff.

## GET IN TOUCH

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For further information about our company, including key staff members and further product details please visit our website and register on our Customer Login. Our Customer Login is a comprehensive resource that has been designed to give all of our valued clients access to pertinent product and contact information and we hope it will be useful to you: [www.terramin.co.za](http://www.terramin.co.za)



# TERRAVENT® FLEXIBLE DUCTING

2010/07901

## PRODUCT DESCRIPTION

- Patented composite flexible PVC ventilation ducting for both positive (force) and negative (exhaust) applications

## PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Flexibility allows spiral force ducting to follow bends and contours
- Low air resistance along length of tubes (no steel banding and rings in ducts) with a K-factor of 0.0065Ns<sup>2</sup>/m<sup>4</sup>
- "Golf-ball" inner surface that facilitates low friction
- Lower installation and logistics costs
- Saving on shaft hoisting time and delivery volumetrics
- Reduced storage and transportation costs
- Reduction of installation application injuries (especially hands and feet)

### TERRAVENT® SPIRAL FORCE DUCTS

<b>Diameters (mm)</b>	250- 1400mm (as standard)
<b>Length (m)</b>	5-10m or to specification
<b>Steel wire</b>	1.9mm- 3.6mm
<b>Pitch of Helix</b>	50-200mm or to specification

### TERRAVENT® EXHAUST DUCTS

<b>Diameters (mm)</b>	250- 1400mm
<b>Lengths (m)</b>	5-10m or to specification
<b>Steel wire</b>	4.7-6mm
<b>Pitch of Helix</b>	50-150mm or to mine/user specification

### TERRAVENT® FORCE DUCTS

<b>Diameters (mm)</b>	250-1400mm
<b>Length (m)</b>	5-20m or to specification

NOTE: All ducting available in 400/535gsm (black), 600gsm (orange) and 700gsm (yellow) FRAS (Flame Retardant Anti-Static) material

## TECHNICAL DATA

**MAJOR  
PRODUCTION  
MODELS**



*TERRAVENT® Y Piece for Ducting (FRAS)*



*TERRAVENT® Force Ducting (FRAS)*



*TERRAVENT® Spiral Force Ducting (FRAS)*



*TERRAVENT® Spiral Force Ducting  
NOTE: Differentiation between Pitch of  
Helix for either Force or Exhaust Appli-  
cations*

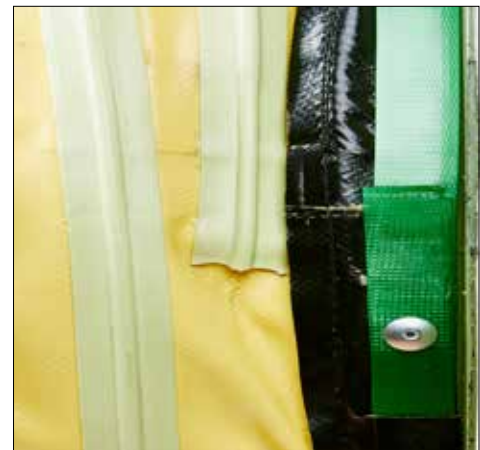


*TERRAVENT® Spiral Exhaust Ducting*



*Yellow Flame Retardant Anti-Static  
(FRAS) Force Ducting*

**FLANGE FAN  
ADAPTOR**  
APPLICATION



*Accessories: Flange Fan Adaptor application*

**PRODUCT  
ACCESSORIES**



**INSERT 'N CLIP: 2010/07901**  
*Simple technology to attach lengths of ducting easily*



**TERRAPOD®: 2009/07960**  
*Patented TERRAPOD® Hanging Device*



**STEEL INTAKE PROTECTOR**  
*Steel intake protector assists in limiting intake of airborne foreign objects and internal damage to ducting material*

## PRODUCT APPLICATION



TERRAVENT® Spiral Exhaust Ducting



TERRAVENT® Spiral Force Ducting



TERRAVENT® Layflat Force Ducting



Fan Adaptors with TERRAVENT® Spiral Exhaust Ducting

## CONNECTION OPTIONS

- 1. INSERT 'N CLIP (2010/07901)
- 2. Double ring to Ratchet and strap
- 3. Double ring to Toggle
- 4. Steel flange to steel flange

## SAFETY SPECIFICATIONS

- Complies with all stipulations within SANS 1287, Part 2: 2007 (NCB 245)
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

As with all combustible materials used underground, the underground storage, handling and transfer of this product should be managed in accordance with the dictates of sound fire management principles. Installation/operation to be done under supervision of trained management. Where any doubt exists as to the product being "fit for use", a risk assessment should be performed. Manufacturer reserves the right to alter and add to the above technical content and nomenclature without notice.



# TERRAJET® AIRMOVER AND INLINE COOLERS

2007/23889

## PRODUCT DESCRIPTION

- Patented airmover ejector (static conductive) utilizing compressed air enabling units to generate airflow volume at a maximum of 2.5m<sup>3</sup>/sec for confined space ventilation
- Optionally, water applied through a needle valve facilitates the atomization and fine drop-let formation with water surface tension benefits, for cooling, particulate capture and gas dilution

## PRODUCT BENEFITS

- 100% South African manufacture
- Light and convenient logistics
- Compressed air driven
- No wiring or electricity required as with rigging of fans
- Safe for handling- no moving parts

## PRODUCT PICTURES



### TERRAJET® AIRMOVER MK3

<b>Specification</b>	Antistatic carbon impregnated polyethylene housing with patented ejector
<b>Colour</b>	Black (FRAS)
<b>Dimensions</b>	870mm x 275mm x 365mm
<b>Mass</b>	6.5kg



### TERRAJET® AIRMOVER MK4

<b>Specification</b>	Antistatic carbon impregnated polyethylene housing with patented ejector
<b>Colour</b>	Black (FRAS)
<b>Dimensions</b>	760mm x 570mm x 450 mm
<b>Mass</b>	9.3kg



**MAJOR  
PRODUCTION  
MODELS**



*AM300 Dry Application  
1-AM0035-018-10-000*



*AM320 Dry or Wet Application  
1-AM0035-018-10-000*



*AM323 Updated Design Dry and Wet  
Application  
AM323: 1-AM0039-018-10-000*



*AM 306 Booster  
AM 306: 1-AM0036-018-10-000*

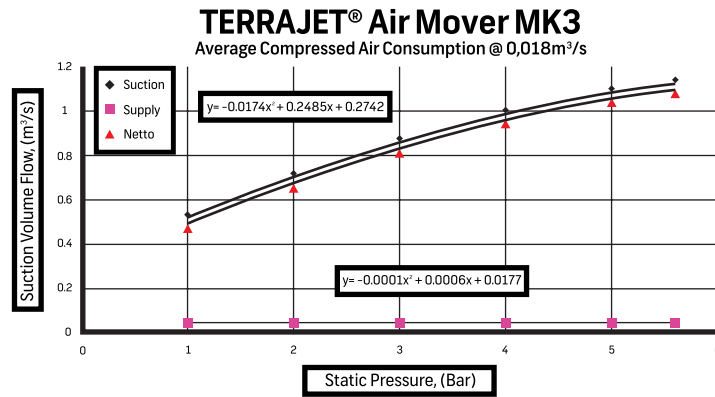


*AM 311 Dry Application*



*TERRAJET® AIRMOVER MK4*

## TECHNICAL DATA



## PRODUCT APPLICATION



Airmover Installed with Safety Sling (attached to air supply)



MK 3 Installed with PVC Pipe



TERRAJET® Airmover Installed Underground



TERRAJET® Air Mover Underground

## SAFETY SPECIFICATIONS

- Tests undertaken for conformance to Toxicity of Combustion Gases; NES 713
- Tests undertaken for conformance to Fire Propagation: SANS 10177, Part 9
- Tests undertaken for conformance to Antistatic electrical resistance: SANS 1287 and NCB 245
- All risk assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

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# KWIKSTIX™ DUCTING REPAIR

2012/04590

## PRODUCT DESCRIPTION

- Handheld suture device with re-loading magazine for galvanized staples

## PRODUCT BENEFITS

- Robust and compact design for carrying purposes
- User-friendly design with staple shield to protect staple strip
- Safe to use as opposed to hazardous solvent based solutions
- Cost effective means for underground repairs

## PRODUCT PICTURES



*KWIKSTIX™ Ducting Repair Kit fits easily into a mining belt pouch*

### KWIKSTIX™ Staple Gun

**Material** HDPE Plastic with protector shield

**Dimensions** 178mm x 178mm x 50mm

### Steel Staples

**Material** Galvanised Steel

**Dimensions** 15 x 1.8mm diameter

**Quantity** 50 per strip/ 2500 per box

## PRODUCT APPLICATION



*Demonstration of KWIKSTIX™ Ducting Repair*

- Mend tears in PVC ducting material
- Installation of fencing/ventilation curtains
- Joining of materials

Please note: Additional ducting “bandage” repair kit also available:



## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# TERRABLAST® WATER ATOMISER

2013/04405

## PRODUCT DESCRIPTION

- Compressed air/water atomizing device mounted within either an anti-static treated polyethylene or steel housing
- The adjustable device(s) utilise a compressed air and water combination to produce a range of ultra-fine water droplets/aerosols with agglomeration enhancing droplet surface tension
- The adjustable air and water supply allows for spray patterns with kinetic penetration to wet and capture particulate effectively
- Droplet size can be set to obtain optimum performance minimising water and compressed air consumption

## PRODUCT BENEFITS

- Small and lightweight
- Minimal maintenance required
- Economical water and compressed air consumption
- Robust design for blast concussive environments and reduced water/air blockages
- Reduce silica quartz content by 79.2%

## PRODUCT MODELS



### TERRABLAST® SINGLE BLAST WATER ATOMISING DEVICE

<b>Model</b>	Single Blast (AM082)
<b>Material</b>	Black PE Housing (FRAS)
<b>Nozzle Sizes</b>	8mm
<b>Dimensions</b>	500mm x 200mm diameter
<b>Weight</b>	3kg; 4,6kg (with bracket)

*\*Air and water consumption volumes for optimal atomisation available on request.*



### TERRABLAST® TRIPLE BLAST WATER ATOMISING DEVICE

<b>Model</b>	Triple Blast (AM047)
<b>Material</b>	Galvanised Steel
<b>Nozzle Sizes</b>	8mm
<b>Dimensions</b>	570 x 760mm diameter or to specification
<b>Weight</b>	26kg (dependent on size)

*\*Air and water consumption volumes for optimal atomisation available on request.*



**TERRABLAST® 9 x 8 HAND HELD CLUSTER NOZZLE WATER ATOMISATION DEVICE**

<b>Model</b>	TERRABLAST® 9 x 8 Hand Held Cluster Nozzle
<b>Material</b>	Black PVC Frame Retardant Anti-Static (FRAS)
<b>Nozzle Size</b>	9 x 8mm cluster
<b>Dimensions</b>	200 x 500mm
<b>Mass</b>	4,7kg

*\*Air and water consumption volumes for optimal atomisation available on request.*



**“TERRABLAST “FAGAMANZI” WATER ATOMISATION DEVICE**

<b>Model</b>	TERRABLAST® “FAGAMANZI”
<b>Material</b>	
<b>Nozzle Size</b>	
<b>Dimensions</b>	
<b>Mass</b>	

**EXTRA PRODUCT FEATURES**



*Hanging Bracket: used when mounting TERRABLAST® against a pillar or support pack*

## PRODUCT APPLICATION



9x8 Cluster Nozzle being tested on surface



Adjusting TERRABLAST® underground



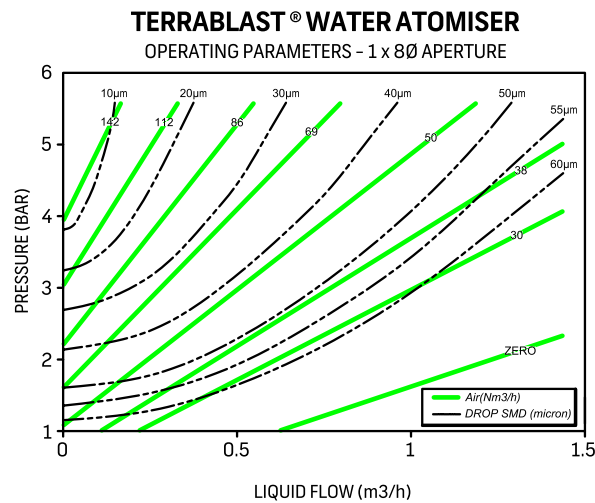
TERRABLAST® Application Underground



TERRABLAST® being tested underground

- Improve working conditions within the underground working environment
- Cooling/particulate/dust capturing/gas dilution application: tip areas, "Multi-Blast" mine development ends and in-store face panel conditioning

## TECHNICAL DATA



## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available on request or accessed from our client portal: [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# VENTMESH® LITE COMBO

2007/03823

## PRODUCT DESCRIPTION

- Patented, self-supporting, wire reinforced laminated polypropylene ventilation control bratticing

## PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Easy to customize and join for underground requirements
- Quick and easy installation with limited labour required
- Cost effective alternative to historic brick and mortar seals
- Limited shrinkage on mine- not easily removed

## PRODUCT PICTURES



*Flexibility of VENTMESH® Lite Combo*



*Roll of VENTMESH® Lite Combo*

### VENTMESH® Lite Combo

<b>Specification</b>	Patented laminated woven and non-woven polypropylene
<b>Material</b>	Patented laminated woven and non-woven polypropylene either side of a steel wire lattice (75mm x 75mm)
<b>Models</b>	Roll (1,5m) : 1,5m x 30m ; Wire Thickness 1,2mm
<b>Colour</b>	White/customizable graphics (Minimum order quantities)



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## PRODUCT APPLICATION



*VENTMESH® Lite Combo installed in a Vent Seal*

- Self supporting ventilation curtain in underground mining
- Pillar-holing seal in board and pillar mining
- Backing structure for TERRAVENT® frames and walls

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## SAFETY SPECIFICATIONS

- Complies with applicable aspects within SANS 1287; Part 2: 2007
- Flame retardant
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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## VENTMESH® Lite PP (Polypropylene)

### PRODUCT DESCRIPTION

- Laminated polypropylene ventilation control curtain for underground use

### PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Easy to customise and join for underground requirements
- Quick and easy installation with limited labour required

### PRODUCT PICTURES



Roll of VENTMESH® Lite PP



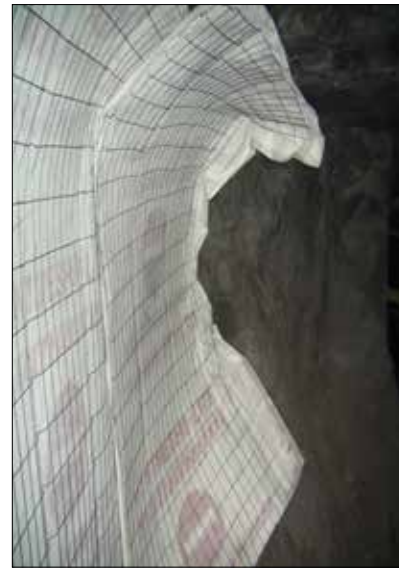
Woven polypropylene in VENTMESH® Lite PP

### VENTMESH® Lite PP

<b>Specification</b>	Patented laminated woven and non-woven polypropylene
<b>Colour</b>	White (with customisable graphics)
<b>Dimensions</b>	Width: 1,3m and 1,5m (or customized)

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## PRODUCT APPLICATION



*VENTMESH® Lite PP (Polypropylene) Installation*

- To direct airflow to working face as ventilation curtain and to seal off areas
- To stabilise shotcreted material on wire frame as “backing material” on wire mesh frame

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## SAFETY SPECIFICATIONS

- Complies with applicable aspects within: SANS 1287; Part 2: 2007
- Flame retardant
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

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### IMPORTANT

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# VENTICORSET™ “SCOOP” BRATTICE

2012/12909

## PRODUCT DESCRIPTION

- Patented laminated woven and non-woven polypropylene material with spring steel rod reinforced curtain

## PRODUCT BENEFITS

- 100% South African manufactured
- Quick and easy installation requiring minimal labour
- Can be removed and reinstalled time and again
- Cost-effective substitute for electric fans in certain applications
- Customisable for variable applications

## PRODUCT PICTURES



### VENTICORSET™ “Scoop Brattice”

<b>Specification</b>	VENTMESH® Lite: Patented laminated woven and non-woven polypropylene
<b>Colour</b>	White: Customisable graphics available with minimum order volumes with reflective strips for additional safety benefits
<b>Dimensions</b>	Customised to height with rod spacing at 1.3m intervals (height and length to specification)
<b>Flexible Rods</b>	8.5mm Spring Steel

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## PRODUCT APPLICATION



*Underground Installation of VENTICORSET™*

- Redirection of airflow underground to ventilate workings/headings
- Use as temporary pillar-holing seal

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## SAFETY SPECIFICATIONS

- Complies with applicable aspects within SANS 1287; Part 2: 2007
- Flame retardant
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# TERRAVENT® AQUABRATTICE®

2013/05187

## PRODUCT DESCRIPTION

- Translucent PVC material with a variable internal water weighted “column”

## PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Cost benefit for optimizing airflows as an alternative to fixed door systems
- Calibration determinable on-site with volume of water required
- Ease of underground installation and on-site maintenance
- Translucent nature of material has increased safety benefits
- Additional overlap collar for positive seal against hanging wall

## PRODUCT PICTURES



### AQUABRATTICE™ WATER WEIGHTED BRATTICE

<b>Materials</b>	Extruded translucent PVC lengths with yellow PVC 700gsm FR column(s) with affixed seal
<b>Models</b>	Single Column: Width 600mm Double Column: Width 1175mm
<b>Dimensions</b>	Thickness: 3mm - 4mm Height Range: 1.8-6m or to specification

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## PRODUCT APPLICATION



*TERRAVENT® AQUABRATTICE® installed in a base metal mine*

- For use in areas of high airflow pressures where access for men/machinery is required and visibility is imperative for safe passage
- After installation of hanging brattice, fill column(s) with water to desired weight to counteract high airflow pressure, according to required ventilation outflow volume (m<sup>3</sup> per second)

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## SAFETY SPECIFICATIONS

- Complies with parts of Ventilation Ducting and Bratticing SANS 1287
- Complies with Toxicity of Combustion Gases: NES 713
- Complies with Fire Propagation: SANS 10177 Part 9
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# CLEAR PVC ROADWAY BRATTICE

## PRODUCT DESCRIPTION

- Ventilation controls to seal areas to optimise airflows to working faces and prevent ventilation leakage, recirculation and short circuiting back to source

## PRODUCT BENEFITS

- 100% manufactured in South Africa
- Correct ventilation controls ensure compliance within regulation for face velocities
- Cost benefit for optimizing airflows using bratticing instead of fixed door systems
- Translucent nature of material allows for machine visibility at doorways
- Translucent nature of material has increased safety benefits with regards to access safety

## PRODUCT PICTURES



50m x 400mm roll of Clear PVC Brattice



PVC Clear Brattice with bracket or "Wafra"

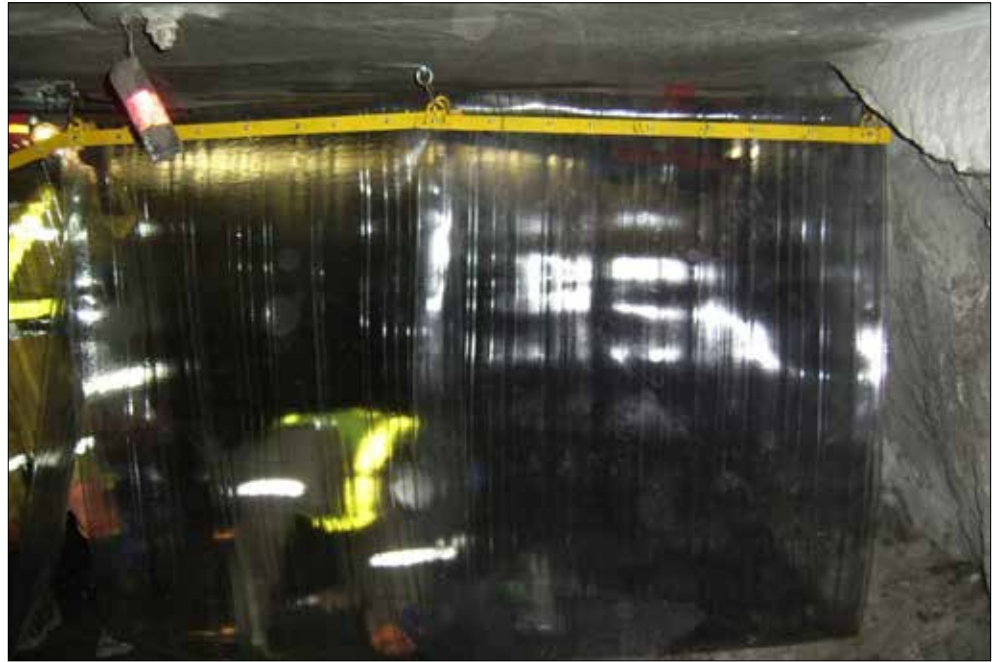
### TERRAVENT® Clear Brattice

<b>Specification</b>	Extruded translucent PVC lengths with weldable edge for wider hanging strip curtains. Water weighted option Aquabrattice™ available to control larger ventilation quantities
	Welded widths available in 750mm- 1150mm
<b>Dimensions</b>	Average thickness of extrusion is 4mm along length in 50 meter rolls
<b>Weight</b>	+/- 95kg for 50m roll



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## PRODUCT APPLICATION



*TERRAVENT® Clear PVC Brattice installed underground*

- Ventilation controls, including centre gulley bratticing
- Haulage and doorway ventilation control suitable for vehicular traffic
- Commercial refrigeration warehouse controls for large openings

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## SAFETY SPECIFICATIONS

- Complies with parts of Ventilation Ducting and Bratticing: SANS 1287
- Complies with Toxicity of Combustion Gases: NES 713
- Complies with Fire Propagation: SANS 10177 Part 9
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# RIGID DUCT SEALANTS

SEALADUCT: 1983/06357 | WRAPPADUCT: 2002/04192

## PRODUCT DESCRIPTION

- Branded adhesive-backed and plain PVC plastic films applied to minimize leakages along galvanized rigid steel ventilation columns underground

## PRODUCT BENEFITS

- Quick and easy installation to minimise leakages
- Cost effective solution to seal leaking ventilation columns
- SEALADUCT® 80 manufactured 100% in South Africa
- Proven track record of over 37 years in use
- Polymer memory allows for airtight seals > 80-90% Memory Retention

## PRODUCT PICTURES



### SEALADUCT® 80

<b>Specifications</b>	80 micron PVC laminate
<b>Colour</b>	Clear/Blue
<b>Type</b>	Non-Adhesive backed
<b>Dimensions</b>	350mm x 100m + TERRATAPE (48mm)



### WRAPPADUCT®

<b>Specifications</b>	130 micron FR PVC (+adhesive)
<b>Colour</b>	Yellow
<b>Type</b>	Adhesive backed (acrylic)
<b>Dimensions</b>	300mm x 30m

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## PRODUCT APPLICATION



SEALADUCT® 80 being applied to a leaking column

- Seal damaged or leaking flanges of galvanized steel columns
- Various other sealing uses e.g. impact damage on vent columns
- Safety applications e.g. mine pole visibility using WRAPPADUCT®

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## SAFETY SPECIFICATIONS

- Full CSIR/Firelab (PTA) Fire Retardant and Flame Propagation tests completed for User Evaluation and Risk Assessment as "Fit for Use".
- All MSDS and Risk Assessments available on request or alternatively accessed from our client portal by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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# MUHLE MEHLO® EYE PROTECTION

2000/08208

## PRODUCT DESCRIPTION

- Vinyl coated fibre mesh that acts as an eye protector
- Affixes to a standard hard hat

## PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Low cost solution to reduce certain liability claims against eye injuries
- Easily fixable to hard hat - impossible to lose once affixed (unlike spectacles)
- Washable and reusable - easy to clean and dry
- Comfortable with no "fogging" and condensation problems
- No skin contact and therefore no irritation (when worn as per risk assessment instructions)

## PRODUCT PICTURES



MUHLE MEHLO® eye protector attached to a hard hat

### MUHLE MEHLO®

<b>Specifications</b>	Vinyl coated fibre mesh
<b>Colour</b>	Black/Charcoal
<b>Dimensions</b>	235mm x 150mm in packets of 50
<b>Additional</b>	Customised graphics can be printed e.g. Company Logo or Safety Messages

## PRODUCT APPLICATION



MUHLE MEHLO® as used by miners underground

- Surface, underground mining and confined space applications
- Shotcrete and other cementitious applications
- Combination use with fixed eyewear
- Allows for comfortable protection and facial ventilation

## ADDITIONAL SAFETY PRODUCTS



“Koplap”



“Hammerhead” Arm Protection



## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available on request or alternatively accessed from our client portal by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

The underground storage, handling and transfer of this product should be managed in accordance with the dictates of sound fire management principles. Installation/operation should be done under the supervision of trained management. Where any doubt exists as to the product being “fit for use”, as risk assessment should be performed. The manufacturer reserves the right to alter and add to the above technical content and nomenclature without notice.



# ESCAPE ROUTE DIRECTIONAL CONES

## PRODUCT DESCRIPTION

- Three-part plastic moulded directional cones, with easy "snap-on" retaining clip
- Can be attached to and removed from ropes, lifelines and electrical cables
- Small, medium and large bore

## PRODUCT BENEFITS

- Worker confidence and reassurance of being led to safety
- Complies with internationally accepted world standards for underground safety
- Workers are able to easily find refuge bays in low visibility and emergency evacuations
- Can be used with standard roping or cable
- Units can be easily installed and replaced as necessary

## PRODUCT PICTURES



Escape Route Directional Cones available in various sizes



Escape Route Directional Cones as applied to rope or cable

### ESCAPE ROUTE DIRECTIONAL CONES

**Specifications**

Escape Route Directional Cones

**Colour**

Orange

**Size (ID)**

Small, medium and large bore\* check specs

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## PRODUCT APPLICATION



*Escape Route Directional Cones installed underground with reflective tape*

- To guide underground personnel to refuge bays or areas of safety in emergency situations and in the case of zero-visibility
- Serves as an additional safety protocol in underground operations

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## SAFETY SPECIFICATIONS

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# TERRATENT™ REMOTE REFUGE CHAMBER

2004/02033

## PRODUCT DESCRIPTION

- Clear PVC, flexible spirally reinforced capsule mounted in a suspension bracket

## PRODUCT BENEFITS

- 100% South African manufactured
- Refuge capsule for workers in remote areas in the case of irrespirable atmosphere
- Easy to install
- Reusable

## PRODUCT PICTURES



*TERRATENT™ Remote Refuge Chamber installation process  
Please note that the frame pictured is an optional extra*

### TERRATENT® REFUGE CAPSULE

<b>Diameter</b>	To specification - 2 person unit: Minimum 1500mm
<b>Height</b>	To specification - 2 person unit: Minimum 2500mm
<b>Hanging Mechanism</b>	Suspension bracket connected to eyebolts in roof
<b>Connection</b>	25mm air hose to compressed air network



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- To provide a safe refuge in remote underground areas in the event of sudden exposure to irrespirable atmosphere caused by fire or explosion, for workers not within easy access to a standard refuge chamber

## PRODUCT APPLICATION



*Mockup of the TERRATENT™ Remote Refuge Chamber with employees inside*

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## SAFETY SPECIFICATIONS

- Complies with all stipulations within SANS 1287 Part 2: 2007
- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

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# WINZEMASTER® XL2 DOUBLE DIAPHRAGM PUMP

2004/00350

## PRODUCT DESCRIPTION

- Compressed air driven double diaphragm pump for general mine de-watering
- Commonly known on the mines as the "Tjup! Tjup!" pump

## PRODUCT BENEFITS

- Manufactured 100% in South Africa
- Castings (in most cases) can be reconditioned
- Spare parts easily available
- Easily maintained

## PRODUCT PICTURES

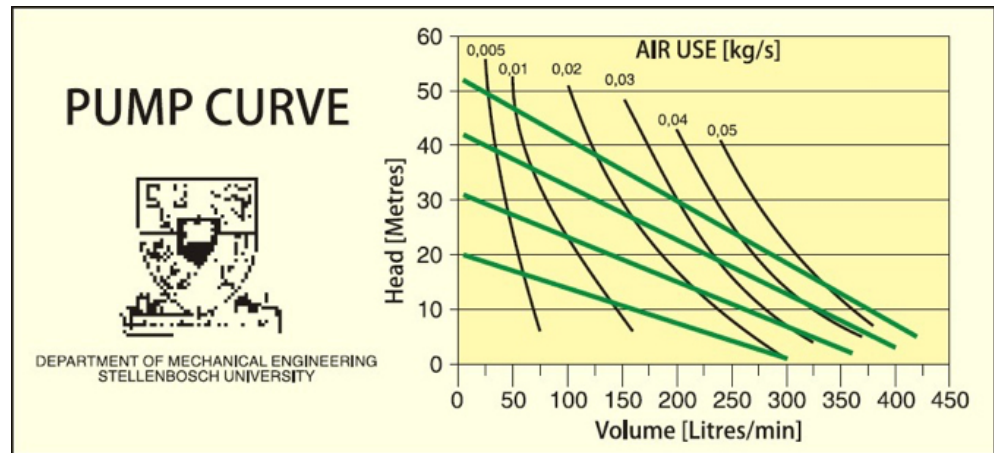


Side, front and close up view of WINZEMASTER® XL Double Diaphragm Pump

### WINZEMASTER® XL2 DOUBLE DIAPHRAGM PUMP

<b>Casting</b>	Aluminium
<b>Diaphragms</b>	Polyurethane
<b>Cones</b>	Polyurethane
<b>Suction Inlet</b>	50mm
<b>Discharge Outlet</b>	50mm
<b>Air Inlet</b>	25mm
<b>Air Exhaust</b>	25mm
<b>Weight</b>	35kg (weight reduction a future priority)
<b>Performance</b>	*See Pump Curve Graph

## TECHNICAL DATA



## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

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# ROKTAK® GUN & HOPPER

## PRODUCT DESCRIPTION

- Compressed air driven spray gun with specially designed plastic moulded hopper to allow for vertical (ceiling) and floor work without spillage

## PRODUCT BENEFITS

- Faster material application
- Less wastage of material sprayed
- Consistent finish to application
- Wider choice of spray pattern
- Simple cleaning and maintenance
- Safe method of use

## PRODUCT PICTURES



*0.5 inch hose available as optional extra*

### HOPPER

<b>Specifications</b>	Total capacity: 5 litres
<b>Total weight:</b>	Volume dependent
<b>Colour</b>	Yellow

### ROKTAK® GUN

<b>Specifications</b>	Air nozzle- 12.5mm Apertures- 7 of 4mm; 5mm; 6mm; 7mm; 8mm; 9mm and 10mm
<b>Total weight:</b>	1.8kg
<b>Colour</b>	Grey

## PRODUCT APPLICATION



*Handling of ROKTAK® Gun and Hopper underground*

- White-washing (lime) of identified areas and haulages
- Spraying of VENTCRETE® sealant onto ventilation walls and curtains



*ROKTAK® Gun repair kit*

## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available on request or alternatively accessed from our Customer Login by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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STOCK CODE \_\_\_\_\_



## BUGAMOYA™ DUST PUFFER

2012/07370

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### PRODUCT DESCRIPTION

- Plastic bottle filled with talc, to be used for testing air velocities in confined spaces

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### PRODUCT BENEFITS

- Easy method of testing airflow velocities and direction in confined spaces
- Light and small enough to fit in pocket/pouch
- Non-toxic

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### PRODUCT PICTURES



*BUGAMOYA™ Dust Puffer bottle with talc powder*

#### "BUGAMOYA" DUST PUFFER BOTTLES

<b>Volume</b>	45ml – 125ml
<b>Mass</b>	32g (Filled with Scotia Talc and Silica Gel Sachet)
<b>Size</b>	T120mmx 40mm
<b>Container</b>	HDPE Clear Plastic

- To test for airflow velocities and direction in confined spaces

## PRODUCT APPLICATION



*Airflow velocities being tested underground*

## SAFETY SPECIFICATIONS

- All MSDS and Risk Assessments available in request or alternatively accessed from our client portal by registering on [www.terramin.co.za](http://www.terramin.co.za)

### IMPORTANT

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