LOCAL MUNICIPALITY – UMKHANDLU WENDAWO
SUPPLY CHAIN MANAGEMENT UNIT
259 KINGSWAY STREET, BERGVILLE, 3350
Tel: 036 448 8000 Ext. 8054 Fax: 036 448 1986/ 0867741577

Reference no: SCM155/2015 -2016 Date: 03 May 2016

RFQ: TO SUPPLY AND DELIVERY OF BREAKING EQUIPMENT

Quotations are hereby invited from interested contractors with a proven track record in terms of Section 83 of the Municipal System Act, Act 32 of 2000 (as amended) and Section 110 and 112 of the Municipal Finance Management Act, Act 56 of 2003, for supply and delivery of breaking equipment.

2x Halogen tools
4x New Generation "Bullard" fire helmets (Yellow)
4x "LYMAE" Bunker suits (Pants and Jackets, Fire suits)
5x fire Hoody's (Flesh hoods)
4x Harvik Fire fighter boots
10x Mechflex Rescue gloves
10x fire fighting gloves
24x Lymae rescue overalls (Fire retardent)

The details of the specification attached:

For more information the following municipal official can be contacted during office hours: Mr Freddie Halgreen @ 071 168 3260

QUOTE SUBMISSION

Quotations must be done on the company's letter head/ stamped, can only be submitted on a sealed envelope clearly marked the abovementioned reference number to Municipal tender box, not later than **12 May 2016 at 11:00.**

The following conditions will apply:

- Suppliers must be registered at our database; forms can be e-mailed on request, downloaded from our website and collected at our municipal offices.
- Suppliers must also ensure that they submit their tax clearance and B-BBEE certificates that are still valid as they will have a big impact during the evaluation processes
- Quotes will be evaluated on the 80/20 preferential points.
- Suppliers must also state the delivery period after receiving the initial order.
- Declaration of interest (MBD4 form) is compulsory to be attached with the quotation.

NO QOUTATION WILL BE CONSIDERED FROM PEOPLE IN SERVICE OF THE STATE.

Rescue Gloves

SPECIFICATION

Supply of dedicated rescue gloves constructed from premier and durable grain leather palm and fingers.

The back of the hand shall be constructed with synthetic honeycomb and breathable material with leather finger tips for added protection.

A light weight knuckle guard is mandatory and shall incorporate a silver retro-reflective cord.

Gloves must have non-slip finger tips, Traverse Metacarpal Arch protection pads, and patch palm protection of abrasion-resistant non-slip material secured by double-stitching and designed in such a manner to specifically reduce bunching and promote maximum flexibility.

Gloves must have a leather reinforcement on thumb crutch.

As the nature of the work requires snug fitting, gloves to be available in sizes Small to 2X-Large.

Gloves must be manufactured with elasticised adjustable Velcro wrist fastener.

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SPECIFICATION

STRUCTURAL FIREFIGHTING GLOVE

1. SCOPE

This specification defines the minimum requirements for a structural firefighting glove specifically designed to withstand the effects of flame, heat, vapour, hazardous liquids, sharp objects and other hazards encountered during structural firefighting operations.

2. CONSTRUCTION

Design:

A five finger glove of wing thumb construction shall incorporate the following elements:

Elastic snugger band on back.

Leather hanger loop.

Leather seam welt between thumb and index finger.

Lock stitched seams: Minimum 8 stitches per 25mm; Heat resistant Kevlar 7 thread.

Knitwrist with leather pull tab +- 90mm wide at base.

Knitwrist shall be a two-ply Kevlar® material.

Materials Configuration:

The design shall be of a three layer construction consisting of the following:

Outer Leather Shell

Double chrome tanned Thermo cowhide.

Moisture Barrier

A polyurethane moisture barrier to prevent liquid penetration of chemicals and water shall be fitted.
The moisture barrier tabs shall be stitched to the leather shell.

Liner:

A fire-retardant modacrylic Self Extinguishing Fleece liner shall be fitted.

3. CERTIFICATION

The product must meet or exceed all requirements of NFPA 1971, 2013 Edition.

Current certification/verification shall be furnished by written documentation supplied by a recognized independent third party test laboratory.

A sample glove meeting the requirements of this specification shall be supplied upon request for inspection and verification of compliance within 10 working days.

4. PACKAGING

Each pair of gloves shall be individually packaged in a clear poly-bag along with the all user information guides and information.

5. LABELING REQUIREMENTS

Labels shall be permanently and integrally printed on materials that meet all the requirements for labels of NFPA 1971. The element shall be clearly labelled to fully identify the material content.

The labelling on each element shall contain manufacturing information, which shall include, at a minimum, a lot number, manufacturing date, model number, country of origin & manufacturer.

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SPECIFICATION

STRUCTURAL FIREFIGHTING HOOD

1. SCOPE

This specification defines the minimum requirements for a firefighter's structural Hood.

The purpose of the hood is to afford limited protection to the head, neck and a portion of the shoulder area, of the firefighter against adverse environmental effects during fireground operations, as defined by the National Fire Protection Association's standard NFPA 1971, Protective Ensemble for Structural Fire Fighting, 2007 Edition (hereinafter referred to as NFPA 1971.

2. CONSTRUCTION

Workmanship and material shall be first quality throughout. All exceptions to specifications must be clearly spelled out at the time of bid.

The hood and materials shall meet or exceed both the design and performance requirements for as outlined in NFPA 1971.

The hood shall be a double layer, full drape, yoke style design providing chest, back and partial shoulder protection.

A tube style design shall not be acceptable.

All head and bib seams shall be flat lock stitched.

The bib hem shall be hemmed with a tight crochet stitch designed to eliminate bulky binding.

The face opening shall easily stretch to a minimum of 38cm to provide superior donning and fit characteristics for any size firefighter's head.

The face opening shall be sewn with minimum 12mm elastic and hemmed with overlock stitch.

3. MATERIALS

The hood body shall consist of a double layer of 20/80 Nomex / Lenzing FR blend knit with a weight of approximately 220gram per square meter.

All thread material shall be 100% Nomex.

4. LABELING REQUIREMENTS

A flame-retardant label shall be permanently fixed to the hood by means of all four label edges being sewn to the hood.

Labels shall be permanently and integrally printed on materials that meet all the requirements for labels of NFPA 1971.

The element shall be clearly labelled to fully identify the material content and shall be labelled with the FEMSA-style DANGER label.

The labelling on each element shall contain manufacturing information, which shall include, at a minimum, a lot number, manufacturing date and manufacturer

5. PERFORMANCE

The minimum Thermal Protective Performance (TPP) ratings shall be as follows:

Before washing	:	23
After washing	:	24

6. CARE INSTRUCIONS

The manufacturer shall provide a user information guide which complies with user information requirements of NFPA 1971, and shall reference that standard. Topics shall include, but not necessarily be limited to: pre-use information, preparation for use, inspection frequency and details, don/doff, use consistent with NFPA 1500, maintenance and cleaning, and retirement and disposal criteria and considerations. This document shall be packaged with each unit supplied.

7. CERTIFICATION

The manufacturer must certify that the product proposed in its bid meet or exceed all requirements of **NFPA 1971, 2007 Edition**. The manufacturer must also list and label this product with Underwriters Laboratories Inc. (UL) as the third party certification organization prescribed in NFPA 1971, 2007 Edition or recognised equivalent.

A current Certificate of Compliance from a recognised third-party testing laboratory shall be supplied with tender bid to fulfil this requirement.

8. PACKAGING

Each hood body shall be individually packaged in a clear poly-bag along with the all user information guides and information.

****

Bunker Suite: A

TENCATE
Advance™

PHYSICAL PROPERTIES		TenCate Advance™	NFPA 1971 Requirements
Trapezoidal Tear Strength (lbs)	**ASTM D 5587***		
Initial (warp x fill)		40 x 35	22.0 min
After 5 launderings (warp x fill)		35 x 30	
Tensile Strength (lbs)	**ASTM D 5034**		
Initial (warp x fill)		320 x 280	140.0 min
After 10 launderings (warp x fill)		270 x 250	
Water Absorption Resistance (%)	**AATCC 42**		
Initial		< 3.0	30.0 max
After 5 launderings		< 10.0	
Flame Resistance	**ASTM D 6413**		
Char Length in inches (warp x fill) (Initial)		0.6 x 0.6	4.0 max
Char Length in inches (warp x fill) (After 5 launderings)		0.5 x 0.5	
After Flame in seconds (warp x fill)		0.0 x 0.0	2.0 max
Laundry Shrinkage (%)	**AATCC 135**		
After 5 launderings (cotton sturdy cycle) (warp x fill)		< 5.0 x < 5.0	5.0 max
Heat and Thermal Shrinkage (%)	**NFPA 1971**		
500°F at 5 minutes		< 0.5	10.0 max
After 5 launderings		< 1.0	

*NFPA 1971-2007 specifies Trapezoidal Tear Strength measurement according to ASTM D 5587 not allowing for specimen slippage.

TENCATE
Nothing Beats a TenCate Protective Fabric

6501 Mall Blvd. • P.O. Box 289
Union City, GA 30291
Phone: 770.969.1000 • Fax: 770.969.6846
Toll Free: 800.241.8630
www.TenCateProtectiveFabrics.com

Sunlight/UV Exposure Advisory: Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.

To the best of our knowledge, the information contained herein is accurate. However, TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

3/2010 Advance 940.4574 with sample

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NATIONAL FALLEN FIREFIGHTERS FOUNDATION

Finishing and Non-woven are ISO-9001 Certified Facilities.

Bunker Suite: B

TENCATE
Advance™

EMERGENCY RESPONSE

Proven Performance and Value

TenCate Advance™ has been protecting firefighters for nearly two decades. Its innovative construction provides good thermal protection and durability. This dependable fabric offers proven performance at a good value.

- **Proven performance** – Almost two decades of proven performance in the field.
- **Good thermal protection** – Stands up to the heat better than 100% Nomex outer shell fabrics.
- **Good value** – Hardworking outer shell at a good value.

TenCate Advance delivers peace of mind when lives are on the line.
Nothing Beats a TenCate Protective Fabric.

FIBER BLEND: 60% Kevlar® / 40% Nomex®
WEIGHT (± 5%): 7.0 oz (sq yd)
WEAVE: Rip-Stop
COLORS: Khaki, Yellow, Gold, Navy, Black
FINISH: Super Shelltite™, Shelltite™
END USE: Turnout Gear Outer Shells

Bunker Suite : C

EMERGENCY RESPONSE

TENCATE Q-8™

FACE CLOTH: 50% Meta-aramid
50% FR Modacrylic (100% spun)
BATT: Aramid, FR Rayon needle punched non-woven
QUILT THREAD: Meta-aramid
WEIGHT: 8.0 oz (sq yd)

Q-8™ thermal barriers prove their value among firefighters with compliant protection. With its 100% inherently flame resistant woven face cloth and non-woven batts, Q-8 provides protection at a price that fits your budget.

- Affordable
- NFPA 1971-2007 edition compliant
- Wickable face cloth for greater comfort

Q-8 delivers peace of mind when lives are on the line.
Only by TenCate SouthernMills.

PHYSICAL PROPERTIES		Q-8™	NFPA 1971-2007 Edition Requirements
Thickness (inches)		0.13	
Trapezoidal Tear Strength (lbs)	**ASTM D5587***		
Initial (w x f)		25 x 15	5.0 min
After 5 launderings (w x f)		20 x 15	
Thermal Protective Performance (cal/cm²)	**NFPA 1971-2007**		
TPP with ADVANCE™, Crosstech® Type 2c		38 - 40	35.0 min
Vertical Flammability	**ASTM D6413**		
Char Length in inches (w x f) (Initial)		1.0 x 1.0	4.0 max
Char Length in inches (w x f) (After 5 launderings)		2.0 x 1.5	
After Flame in seconds (w x f)		0.0 x 0.0	2.0 max
Laundry Shrinkage (%)	**AATCC 135**		
After 5 launderings (cotton sturdy cycle) (w x f)		< 5.0 x < 5.0	5.0 max
Thermal Shrinkage (%)	**NFPA 1971-2007**		
500°F at 5 minutes		< 9.0	10.0 max
After 5 launderings		< 9.0	
Heat Resistance	**NFPA 1971-2007**	Pass	Shall not melt, separate or ignite

*NFPA 1971-2007 stipulates that Trapezoidal Tear Strength measurement shall be performed without specimen slippage.

Plant Ray is a ISO-9001:2000 Certified Facility

TENCATE™ SOUTHERNMILLS™

The Most Trusted Name In Protective Fabrics.

SOUTHERN MILLS, Inc.
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www.southernmills.com

2/20/07 940.6797 without sample/940.6798 with sample

Bullard
It's your life and you're worth it™

Firedome® LT™ Series
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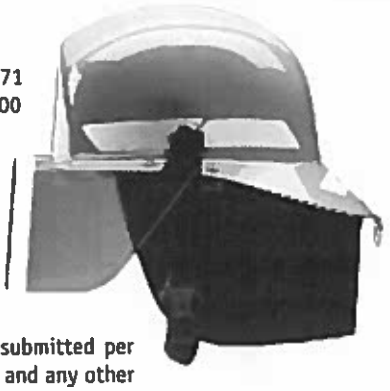
Head Protection

Respiratory Protection

Fire and Rescue Safety

Thermal Imaging



Helmets for Structural Firefighting shall meet or exceed NFPA 1971 Standard on Protective Ensemble for Structural Fire Fighting 2000 Edition (Pertaining to Structural Fire Helmets). Certification/verification shall be furnished by written documentation supplied by a recognized independent third party test laboratory.

A sample helmet meeting the requirements of this specification shall be supplied upon request for inspection and verification of compliance within 10 working days.

The authority having jurisdiction reserves the right to accept bids submitted per their evaluation based upon compliance to the standard performance and any other applicable requirements concerning fit and function.

The authority having jurisdiction reserves the right to accept the most appropriate helmet based on the above stated criteria without regard to lowest price offerings.

Successful bidders shall ship helmets per award from the manufacturer within 14 working days after receipt of order from the distributor.

General
Helmets conforming to this specification are designed to help protect the firefighter from head and neck injuries related to structural firefighting activities.

The helmet manufacturer shall be certified ISO 9001 company to assure quality procedures and production capabilities.

Warranty
The manufacturer shall warrant to the original purchaser that the entire helmet (excluding faceshield) shall be free of defects in material and workmanship, under normal use and service, for a period of two years from the date of manufacturer. The faceshield is not warranted.

Physical Configuration
The basic helmet shall be flared, rear-brim design with a length of 12-5/8", a width of 10" at the faceshield hardware and a height of 6-3/4".

Shell
The helmet shell shall be of contemporary style and shall be constructed of heat-resistant thermoplastic. Color pigment shall be added to the thermoplastic resin as part of the manufacturing process that molds the helmet to help maintain appearance by masking chips and scratches that might occur in daily wear and tear. The shell finish shall be available in white, yellow, red, black, blue, orange and lime-yellow.

The edge of the outer shell shall have aluminum reinforced, elastomeric edge beading that is secured at the rear of the brim by a stainless steel clip and D-ring fastened by a stainless steel rivet. The edge beading shall not melt, drip or ignite when tested to NFPA 1971-2000, Section 6-6.12, Heat Resistance requirements.

Impact Liner System
The impact liner shall consist of a urethane foam liner with a black high-heat thermoplastic inner shell. The urethane foam liner shall be formed without the use of CFC's to eliminate the potential for additional expansion when subjected to heat during actual use.

A black suspension ring shall have six 1" x 3" pieces of adhesive-backed hook material attached, three to each side, to secure the ear/neck protector.

Crown Strap Suspension System
The crown strap suspension system shall be three 3/4" nylon web straps attached to 6 nylon keys. The keys shall be locked into the lip of the black suspension ring.

Ratchet Headband
The helmet shall have a quick-adjustment sizing capability by means of a ratchet adjustment system attached to a heat-resistant nylon headband. The headband shall be attached to the black suspension ring by 1/4-turn adjusters locked behind the black suspension ring. Headband shall be vertically adjustable at the rear without requiring separation of the headband from the helmet.

The ratchet portion of the headband shall have a ratchet height adjuster located at the rear of the headband, inside of the suspension ring, to permit the ratchet to be positioned for comfort on the nape of the

Bullard
It's your life and you're worth it™

firefighter's head. This ratchet height adjuster shall permit at least 1" of travel by means of three height adjustment slots for proper fit.

The ratchet housing shall be wrapped in a cushion-backed leather cover to enhance fit and comfort at the nape of the head. This leather ratchet cover shall be attached by four pieces of Velcro hook and loop material to permit removal for cleaning and replacement.

Brow Pad

The headband shall be supplied with a fire retardant (FR) cotton flannel brow pad, backed with foam cushion padding material at the forehead. This brow pad shall be attached by 3 pieces of hook and loop material to permit removal for laundering and replacement. Attachment to the headband with stitching will not be permitted.

Chin Strap

The chinstrap shall consist of two pieces of 3/4" black Nomex® webbing with a super-tough nylon quick-release buckle.

The male side of the quick-release buckle shall be anchored to the right side of the outer shell with a dielectric anchor block secured to the faceshield-mounting bracket with 2 stainless steel screws. The long portion of the chin strap with the female side of the quick-release shall be attached to the left side of the outer shell in the same manner.

When the chinstrap is connected and fully extended, maximum length shall be at least 24" when measured from one anchor block to the opposite anchor block.

Ear/Neck Protector

The ear/neck protector shall consist of a 6 oz. rip-stop Nomex outer shell backed with FR cotton flannel for comfort. A 1" strip of loop material shall be stitched in one continuous band across the top of the outer shell portion of the ear/neck protector for attachment to the suspension ring.

When properly attached to the inner shell of the helmet, the ear/neck protector shall have the following minimum coverage to the sides and rear of the helmet brim:

- 6" from the sides of the helmet brim at the chinstrap.
- 6-1/2" from the center rear of the helmet brim.

Faceshield

The faceshield shall be a hard-coated high heat thermoplastic material 4" x 15" that is molded in the formed position and designed to fit the contour of the helmet brim. The faceshield shall be certified to meet the optic requirements of ANSI Z87.1 1989 Standard for Eye and Face Protection. This certification shall be in addition to compliance with NFPA 1971 requirements for heat and impact performance.

When mounted, the faceshield shall permit a minimum retractability of 90° in the stowed position.

The faceshield shall be mounted to the brim of the outer shell by a glass-reinforced, flame resistant, nylon handwheel/stainless steel threaded stud attached to a brass T-nut which is supported by an aluminum washer fastened to Quick-Attach mounting blades. The faceshield hardware shall be tested to NFPA 1971-1997, Section 6-3 Flame Resistance Test Two.

The chinstrap/Quick-Attach combination mounting bracket shall be secured to the brim of the outer shell by 4 stainless steel bolts and nuts. A thermoplastic spacer washer shall be used to bridge the mounting bracket.

Retro-reflective trim

The outer shell shall have 5 - 1" x 4" fluorescent lime-yellow, retro-reflective markings located around the circumference of the outer shell. The reflective materials shall be glass bead based to maximize the resistance to heat exposure experienced in firefighting. Vinyl based reflective materials will not be considered equal.

Bullard
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Cynthiana, KY 41031-9303
Toll free: 877-BULLARD (285-5273)
Tel: 859-234-6616
Fax: 859-234-8987
www.bullard.com

Bullard GmbH
Hochkreuzallee 36
53175 Bonn-Bad Godesberg
Germany
Tel: +49 228 931933 0
Fax: +49 228 931933 50

8126(0304)

SPECIFICATION

STRUCTURAL FIREFIGHTING BOOT

1. SCOPE

This specification defines the minimum requirements for a purpose-designed, firefighter's structural firefighing boot as defined by the National Fire Protection Association's standard NFPA 1971, Protective Ensemble for Structural Fire Fighting, 2013 Edition (hereinafter referred to as NFPA 1971.

2. STANDARDS / CERTIFICATION

The manufacturer must certify that the product proposed in its bid meet or exceed all requirements of NFPA 1971, 2013 Edition. The manufacturer must also list and label this product with Underwriters Laboratories Inc. (UL) as the third party certification organization prescribed in NFPA 1971, 2013 Edition, or recognised equivalent.

A current Certificate of Compliance from a recognised third-party testing laboratory shall be supplied with tender bid to fulfil this requirement.

3. CONSTRUCTION

The structural firefighting boot shall be of vulcanised rubber upper and sole and shall incorporate the following design elements:

Pull-on system	:	Upper to feature durable pull-on rubber loop system.
Height	:	Minimum 420 mm
Colour	:	Black/Yellow
Upper & Lining thickness	:	2.7mm (Combined). Cut resistance as per NFPA.
Outsole	:	One-piece moulded Lug type sole. Calender type soles are not acceptable.
Insole	:	Sponge insole & removable high density PU insole.
Steel Midsole	:	1-piece Stainless Steel, meets EN 345 Flexing test.
Steel Shank	:	Triple fluted 1.2mm thick, Corrosion resistant, Meets NFPA Ladder Shank Bend Resistance
Steel Toe Cap	:	Meets EN 345 Impact & Compression.
Reflective Trim	:	Retro-reflective Trim tab on upper.
Shin Protection	:	Heavy-duty layered Shin guard.
Arch Protection	:	Ribbed, layered rubber reinforced foot arch protection.
Side Arch Protection	:	Reinforced, layered side arch protection.
Ankle Protection	:	Ergonomic Roll over resistant snug fitting design with additional ankle padding.
	:	Layered rubber heavy-duty heel protection support.

4. SPECIFIC PROTECTIVE ELEMENTS

- Leg lining material to be Kevlar for superior thermal and penetration protection.
- 18kK Electric Shock Resistance (ESR Protection)
- Chainsaw protection CSA Z195-14 equivalent to EN ISO 17249 : 2013 Class 3
- Chemical Resistance to strong acids, alkali's and fuel oils with minimum permeation protection levels as per table below:

Chemical	Performance Level	
	Upper material	Sole material
Isopropanol (Solvent)	5 (>32 hours)	5 (>32 hours)
25% Ammonia (Alkali)	5 (>32 hours)	4 24 hours < T<32 hours)
Sodium Hypochlorite (containing 13% active chlorine)	5 (>32 hours)	5 (>32 hours)

5. LABELING REQUIREMENTS

Labels shall be permanently and integrally printed on materials that meet all the requirements for labels of NFPA 1971. The element shall be clearly labelled to fully identify the material content.

The labelling on each element shall contain manufacturing information, which shall include, at a minimum, a lot number, manufacturing date, model number, country of origin & manufacturer.

6. TESTING

A leakage test shall be performed prior to delivery by the manufacturer by immersing each boot in water and applying an air pressure of not less than 50kPa.

7. PACKAGING

Each pair shall be individually packaged in a clear poly-bag along with the all user information guides and information.

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Spec on Rescue & fire retardant overalls

Overalls must be manufactured with an inherently flame-resistant fabric that offers an excellent protective performance, durability and comfort.

This fabric is soft and breathable and has excellent moisture management because of special cellulosic fibre content.

Overall material must be suitable for application in protective clothing used in, for example the chemical, energy, metal, utilities, construction and military sectors, and fire fighters' station wear.

Overalls must protect against heat and flame, electric arc, static electricity and liquid chemicals (optional).

Material must be available in a high viz yellow which complies with EN 471: 2003. as well as protecting against convective and radiant heat.

Tested according to EN ISO 11612 A1,A2,B1,C1,E3: 2008 (Industrial flame & heat hazards) and complies with EN 1149-5: 2008, test method EN 1149-3: 2004). for anti-static and explosive risk protection.

Material must be comfortable and should feel soft and supple, because of the cellulosic fibre component.

Material must have a limited chemical protection against splashes and must comply to EN 13034: 2005.

Material must have excellent pilling performance and tear strength.

FR properties are built-in with excellent price/quality performance.

Overall must have long lasting looks with superior colour fastness after multiple industrial washes and a superior resistance to whitening on seams and cuffs.