

# CONSTRUCTION HAND PROTECTION





40% of construction sites have failed health and safety spot checks

# WELCOME TO THE TRAFFIGLOVE CONSTRUCTION BROCHURE

Construction is the driving force of the UK economy. It is driving the country's economic growth and employs around 10% of the UK workforce. As one of the higher risk sectors, health and safety is key to ensuring the industry continues to prosper.

The HSE reported that the construction industry accounted for 31% of fatal injuries to employees in 2013/14 and 10% of reported major/specified injuries.

TraffiGlove is a leader in health and safety innovation. We work with the industry to deliver products that help reduce hand accidents, raise safety awareness in the workplace and change behaviour.

In this brochure, we have gathered the latest information, industry trends and success stories within the construction industry to help you meet your health and safety goals.

We hope you find it interesting, informative and thought provoking.

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# THE FUTURE OF CONSTRUCTION

IS IN SAFE HANDS WITH TRAFFIGLOVE

The UK Government's industrial strategy "Construction 2025" sets out a blueprint for ensuring construction remains the powerhouse of the country's economy and uses its strengths to exploit the global market.



One of the main objectives for achieving this is to create an industry that is efficient and technologically advanced. The Digital Built Britain agenda will see the industry undertake a digital revolution, investing in smart construction and digital design including Building Information Modelling (BIM). Through this, the construction industry will reduce costs and speed up delivery to make it more competitive.

To drive the vision forward, the UK construction industry must invest in people and technology improving site safety and occupational health with zero harm becoming the norm across the industry. Since the Millennium the number of fatal injuries on construction sites has fallen by nearly two thirds from 113 in 2000/01 to 42 in 2013/14. Yet more still needs to be done.

Ensuring that everyone on site understands what PPE they should be using in particular areas and for each specific task has proven a headache for site managers, particularly when working on projects that involve employees with differing standards of English.

Furthermore, with the HSE recently reporting that 40% of construction sites have failed health and safety

spot checks and penalties for noncompliance increasing in severity, making sure your projects are up to code has never been more important.

## HANDS ON APPROACH TO HEALTH AND SAFETY

TraffiGlove is always looking to improve the health and safety of its clients through innovative thinking to provide simple solutions for everyday tasks. For example, the traffic light colour-coded safety system has revolutionised the way in which workers can ensure they are wearing the right safety gloves for the task in hand.

We are a trusted partner of many within the construction industry, not just due to the simplicity we provide, but also because we have improved safety awareness on site and delivered significant cost savings in use. This is down to the fact that our knowledge base of construction, and other industries, is unsurpassed in our sector. We use this alongside extensive research and testing to develop the best gloves for a wide range of tasks. Within the construction industry, this covers the whole spectrum of possible jobs from bricklaying and cement mixing to steelwork and roofing.

TraffiGlove is here to help you in your health and safety aims, saving you money, creating efficiencies and preventing hand injuries.



# BENEFITS OF TRAFFIGLOVE INNOVATION AND SIMPLICITY COMBINED

### **Colour-coded gloves**

TraffiGlove helps remove the complexity when it comes to ensuring that the right gloves are being used. The original three colour-coded TraffiSafe System, enables staff and managers to see straight away whether the gloves being worn are safe for any particular task.

We developed the System after listening to our customers across many industries, who were asking for a simple and common sense approach to raising safety awareness.

In short, the TraffiSafe System makes it easier to implement and enforce a mandatory glove policy because it's simple, visual and memorable.

### **European Standards compliance**

TraffiGlove's extensive range of cut resistance gloves comply with the European Standard EN 388:2003 governing gloves that provide protection against mechanical risks. The colour-coded system relates to the gloves' performance on the EN 388 test for cut resistance.

### Most advanced safety gloves

We continue to invest in research and development to produce innovative glove designs and materials that offer unsurpassed protection, comfort and dexterity for any job. To ensure TraffiGlove is at the forefront of hand safety, we are a member of SATRA, the world's leading research and technology centre for PPE, as well as the British Safety Council.

### **Great customer service**

TraffiGlove knows the construction industry well and our staff will work with you to ensure the hands of your workers are safe from harm, from choosing the right gloves, through to ordering and site support.

To view products see pages 14-18

# THE TRAFFISAFE SYSTEM

SAFETY IN COLOURS

To reduce workplace accidents it is vital to ensure that everyone is wearing the right PPE, particularly on building sites where the workforce could comprise various nationalities with differing standards of English.







The TraffiSafe System offers a quick and simple way to tell at a glance and from a distance that workers are using the correct gloves, regardless of language. It uses a traffic light colour-coding system to show what level of protection the glove offers:

- Red warning. These are Cut Level 1 gloves, which offer a lower level of protection. Coming in different coatings to protect against wet, oily or dry surfaces they are suitable for low-risk construction jobs.
- Amber be aware. These are Cut Level 3 gloves offering medium protection. Amber gloves are ideal for second-fix construction work, electricians, steel fixing or handling materials with sharp edges. Made with high performance, cut resistant threads, these quality safety gloves are comfortable and close fitting.

• Green – safe to go. These are Cut Level 5 gloves offering the highest protection. Green gloves are perfect for a range of potentially hazardous jobs, such as applying cladding, swarf and metal work and handling glass or sheet metal. These rugged, longlasting gloves are made with high-performance, cut resistant threads and other technical fibres.

The TraffiSafe System makes it easier to ensure health and safety across an entire site. Our forward-thinking approach will enable construction firms to meet the objectives of "Construction 2025" and improve the efficiencies of implementing health and safety.

"It couldn't be easier to identify the right glove for the right tasks every time."

Havelock Europa PLC

# **GLOVES HELP**

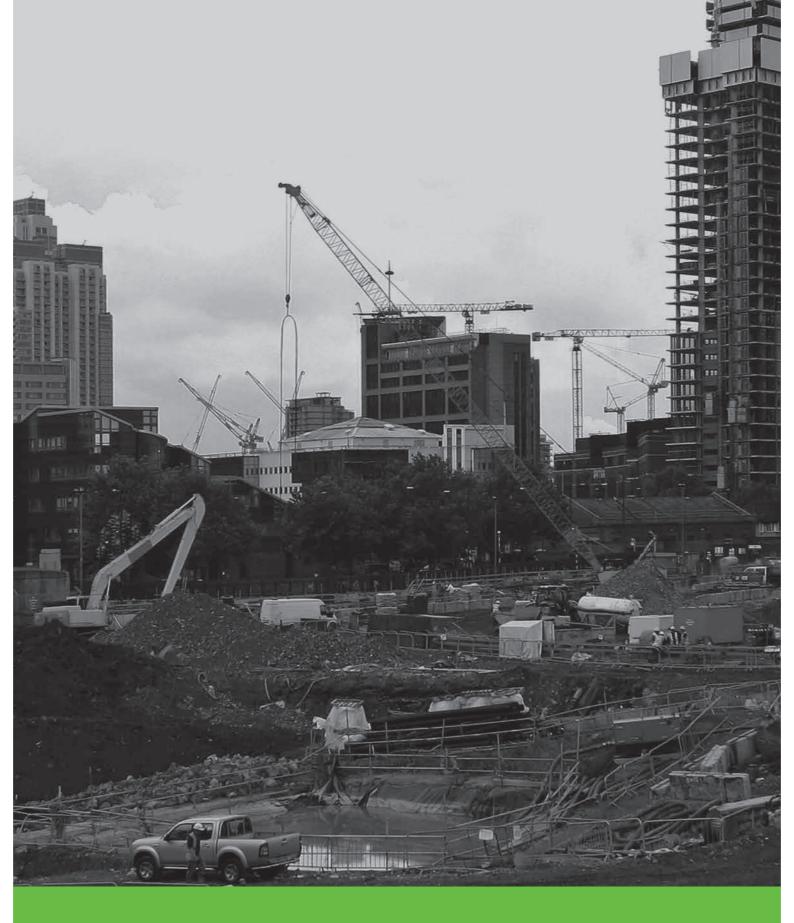
# PROTECT YOUR WORKFORCE AND YOUR BUSINESS

Attempting to cut costs by purchasing low-grade, inadequate gloves for your staff could not only harm them, but also your profits and reputation.

The media is filled with countless stories of workers taking their employees to court for injuries caused by not having the right PPE. Furthermore, the penalties for not complying with health and safety regulations can be significant.

However, the most likely impact on your business from not ensuring workers have the right gloves is their absence due to injury. The HSE reports that during 2013/14 the construction industry lost an estimated 2.3 million working days, 1.7 million due to ill health and 592,000 due to workplace injury, a total of 1.1 days lost per worker. For those operating large sites or more than one project, this can add up to a significant amount of lost working time.

The report also shows that the most common reported injury for a more than 7-day absence was due to handling and lifting, which accounted for nearly a third of such cases.



2.3 million working days lost

1.7 million due to ill health and 592,000 due to workplace injury, a total of 1.1 days lost per worker

# Handling and lifting

The most common reported injury for a more than 7-day absence

The implications of these injuries extends beyond construction, with the HSE estimating that injuries and new cases of ill health resulting from current working conditions within the industry, costs society more than £1.1 billion a year.

Beyond the immediate impact of injuries such as cuts, grazes and burns, skin complaints can also be costly to a business. Reporting by dermatologists shows that they saw 1,297 new cases of occupational skin disease in 2013, many of which would have resulted in time off work.

For each worker who is off due to work related injury or illness, the employer can be hit twice in relation to costs - they would be forced to pay sick leave to the employee while they recover, and the absence means either being a person short or having to employ someone as a temporary replacement. Even if the employee does not take time off for their injury, their ability to work effectively could be reduced.

It is also worth considering the damage to your business reputation caused by not ensuring workers have appropriate personal protective equipment. Prospective clients and employees could look elsewhere if they feel a company's safety standards and procedures are not up to scratch.

In selecting the right glove, you must consider both the employee and the task they need to do. Some questions to think about include: Do the gloves fit the worker? What materials/substances might they be expected to handle? For how long?

By not providing employees with suitable gloves for the task, businesses within the construction industry are opening themselves up to unexpected costs, both financially and to their reputations. So, protect your business by protecting your employees' hands.



# INNOVATION THROUGH COLLABORATION

Innovation is vital for health and safety. It ensures we continue to find better ways of protecting people from existing and future risks. These advances are the result of extensive research, hard work, inspiration and collaboration.

With this in mind, TraffiGlove works closely with the construction industry to develop unique ways of improving the health and safety of workers. One such relationship is with Crossrail and the Costain-Skanska joint venture.

Crossrail is one of the biggest civil engineering projects in Europe. Providing a new world-class railway for London and the South East, it comprises more than 100km of track, 21km of twin bore tunnels and 10 new stations. A number of the Crossrail sites are being built by a partnership between Skanska, one of the world's largest construction companies, and engineering firm, Costain.

The scale of the development means that hundreds of employees are working at any one time. Ensuring the health and safety of these workers is a number one priority for Crossrail.

While the company has done all it can to improve the health and safety of its employees as a whole, it looked to increase individual awareness. As Tim DeBarro, Innovation Programme Manager of Crossrail explains: "Safety is the number one priority for everyone at Crossrail. From an organisational level right down to the individual, we do everything we can to minimise risk."

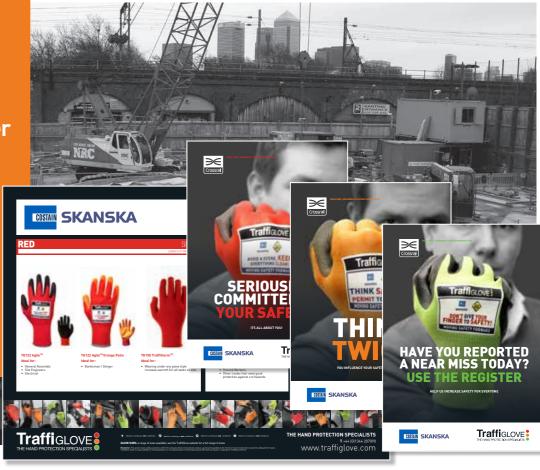
## TRIAL RESULTS

TraffiGloves lasted 5x longer

100% overall accident cost reduction

80% overall incident cost reduction

76% overall cost in use reduction



## ON MESSAGE, ON THE GLOVE

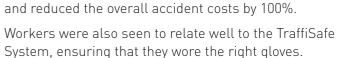
As part of these efforts, Crossrail had the idea of putting health and safety messages on the back of the safety gloves its workers use to influence a behaviour change. To determine how effective this would be for improving health and safety on site, Crossrail ran a three-month trial. This involved the Costain-Skanska joint venture working on the Mile End Shaft in the East End and was funded by the Crossrail innovation programme, Innovate 18.

Ensuring the health and safety of these workers is a number one priority for Crossrail.

TraffiGlove was selected to partner in the project as its colour-coded gloves, combined with the message, were considered to have the most impact. DeBarro says: "We put the idea to TraffiGlove and worked collaboratively with them to produce and assess the impact of the gloves."

TraffiGlove worked closely with Innovate 18 to identify key behavioural objectives for the workforce and summarise these in succinct messages. Messages included: "Don't give your finger to safety" and "Chance takers = accident makers".

The final trial report summarised that it had been a success, stating that the messaging had improved safety awareness on site, and a positive change in the reporting of incidents was noted. Furthermore, the report revealed that TraffiGloves lasted five times longer than the previous gloves



The workforce that trialled the gloves recommended they should be adopted throughout the company. "Together, we created a fantastic product with a unique service offering," concludes DeBarro.

This project highlights the importance of collaboration through innovation; bringing together organisations with different skills, but with a shared objective of improving health and safety for all.

www.crossrail.co.uk/benefits/innovation

90/0
of the UK population are affected by contact dermatitis

# **DON'T LET HAND DERMATITIS**BE AN IRRITATION TO YOUR BUSINESS

Working in construction is hazardous. The HSE reports that incidents of work-related ill health in the industry are about 30% higher than other sectors. One such condition more common in construction than most other industries, is contact dermatitis.

Causing itchy, sore and inflamed skin, contact dermatitis affects millions of people. According to the National Eczema Society, around 9% of the UK population are affected and it is the most common type of work-related skin disease. The society goes on to highlight that construction workers are some of those at greatest risk from contact dermatitis.

Working with irritants is the number one cause of contact dermatitis, making up around 8 out of 10 cases. Indeed, some irritant substances can cause skin complaints in almost everyone if they are strong enough or being used on a regular basis.

Within the construction industry, the HSE highlights a number of irritants that could cause skin problems. For builders these include: cement, dusts, solvents, sand, wet-work and building materials.

Other trades on a construction project, such as electricians and plumbers could develop skin issues from fibre glass or soldering fluxes.

Cement is a particular concern for the HSE, in regards to skin complaints, as it is widely used across the

construction industry and "presents a hazard to health". Causing both dermatitis and burns, it is advised that skin contact with cement should be avoided if possible by wearing personal protective equipment.

## PREVENTION IS BETTER THAN CURE

Preventing contact dermatitis is much easier and more effective than trying to cure it afterwards, particularly because skin already affected by an irritant can become damaged, making it susceptible to further irritation.

8 out of 10

cases of contact dermatitis are caused when working with irritants



Cement is a particular concern for the HSE, in regards to skin complaints, as it is widely used across the construction industry and "presents a hazard to health"

## Guidance from the HSE for protecting hands from irritants includes:

- ensuring workers know how to look after their skin
- washing any contamination from skin promptly
- using moisturising creams
- providing appropriate protective gloves, made of suitable material that are the right size and right for the task to be done
- using and storing gloves correctly
- replacing gloves when necessary

The last three points are important to note, as while providing gloves might seem like a great way to prevent dermatitis, if the gloves are not suitable for both the worker and the job they are required to do, it can cause more harm than good. Unsuitable gloves can give a false sense of security, leading a worker to think they are protected, when in fact they are not. Therefore it is

important to ensure you have the right gloves for the job, taking into consideration the types of substances your workers might be handling.

For example, those working with materials that might be wet or oily could require a water resistant, yet dexterous and tactile glove as offered by TraffiGlove's Nitrile coated range. Those working in wet conditions are likely to need a fully water resistant glove with a TraffiGlove Cohesion<sup>TM</sup> XP coating.

Each job and each worker is different. It is vital for their health and safety to provide gloves that have the right coating, size, length and durability, otherwise irritant contact dermatitis can get a grip on workers' hands.

To view products see pages 14-18

## CASE **STUDY**

# **TRAFFIGLOVE PROVES THE RIGHT FIT**

FOR PEPPER CONSTRUCTION IN THE USA



Pepper Construction is a general contracting and construction management firm serving private companies in a broad range of market sectors.

The company ranks 'safety' as its top priority for employees and subcontractors and this is demonstrated by its impressive safety record, which is well above the national industry standard.

### WHICH TRAFFIGLOVES AND WHY?

Pepper Indiana has been using a selection of TraffiGloves for different tasks, including DYNAMIC (Cut Level 5) for heavy demolition work and ACTION (Cut Level 3) for general construction tasks.

"Pepper Indiana has found TraffiGloves to be a great addition to our PPE program. We introduced the gloves on a trial basis and found that overwhelmingly our team preferred the TraffiGloves. It is particularly appealing to see the variety of styles for different levels of cut protection. The colour-coding gives our folks a quick visual reference that the correct selection has been made for their hazard exposure."

DAVE MURPHY, SAFETY DIRECTOR, PEPPER CONSTRUCTION COMPANY OF INDIANA, USA



THE TRAFFISAFE SYSTEM MEANS EVERYONE CAN **SHARE THE RESPONSIBILITY** AND PROMOTE SAFETY FOR THEMSELVES AND OTHERS

# **TESTIMONIALS**

























## Don't take our word for it, see what our clients have said:

"TraffiGlove was brilliant; they taught me about the EN 388, which was something I never knew."

Wavne Rackam. Roseville Ltd working on behalf of Skanska "TraffiGlove has demonstrably reduced hand related injuries on projects that I have been assigned to.

Chris Asher, HSE Advisor **Balfour Beatty Construction Services** 

"The TG170 Control lasted 3 times longer than the current glove" and it was "A good glove for lifting and carrying

Peter May, Accommodation (Chatham), Babcock

"Both products (TG350 & TG320) lasted 4 times longer than his current glove."

Brad Tuck, Senior Examiner (Warminster), Babcock

The Skanska sites involved in the month long TraffiGlove trial were the only sites to be 100% injury free.

"A reduction of 55% was measured in hand injuries in comparison to 2009 figures."

Eddie Mclaughlin, Senior Safety Advisor, Major Projects Balfour Beatty **Construction Services UK** 



# **CONSTRUCTION SAFETY GLOVES**





## TG122 AGILE™ & TG150 SPEED™

The TG122 Agile is a lightweight glove with a generous cuff length for use in dry conditions. The TG150 Speed has all these features as well as three exposed finger tips.

## **IDEAL FOR:**

- Electricians
- Supervisors
- Managers
- Site surveying

## **KEY FEATURES:**

- Breathable PU coating
- Comfortable, close fit with great dexterity
- High abrasion resistance
- Generous cuff length



## TG135 TOUGH™

For a comfortable, lightweight and versatile glove, choose the TG135 Tough.

## **IDEAL FOR:**

- Bricklaving
- Concreting
- Drain laying
- Groudworking
- Labouring

- Decorating
- Plant operating
- Plastering
- Plumbing
- Roofing

## **KEY FEATURES:**

- Very comfortable with excellent dexterity
- Water resistant Nitrile coating
- High abrasion resistance
- Generous cuff length

# **EN 388**

## TG165 MOTION™

Those doing rugged handling tasks need grip and protection while still being able to achieve great movement.

Scaffolding

Waste

## **IDEAL FOR:**

- Bricklaying
- Concreting
- Drain laying
- Labouring

## **KEY FEATURES:**

- Rugged and durable grip
- High tear resistance
- Flexible, comfortable fit with good dexterity
- High abrasion resistance

## **EN 388**



TG180 ACTIVE™

The TG180 Active is a water-resistant glove with an elastic wrist opening that provides flexibility and comfort in wet and dry conditions.

## **IDEAL FOR:**

• Cold weather, the TG180 can be worn with TraffiTherm (TG105), making it well-suited to outside work, such as bricklaying.

## **KEY FEATURES:**

- Flexible and very comfortable
- Fully water resistant red Soflex<sup>™</sup> coating
- Good abrasion resistance
- Elastic wrist for easy donning









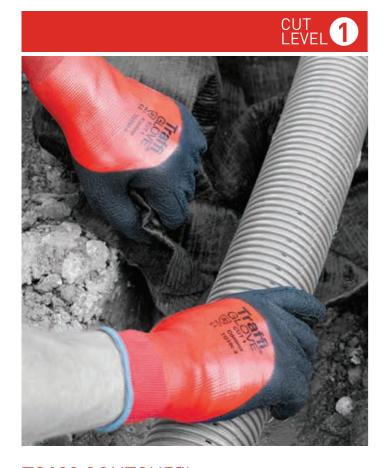








# **CONSTRUCTION SAFETY GLOVES**



## TG190 CONTOUR™

The TG190 Contour is coated in TraffiGlove's unique Cohesion™ XP coating to provide full water and oil resistance with excellent grip.

Labouring

Concreting

## **IDEAL FOR:**

- Groundworking
- Bricklaying
- Drain laying
- Landscaping



- Flexible, comfortable fit with good dexterity
- High abrasion resistance

**KEY FEATURES:** 

• Full water and oil resistance with excellent grip





## TG300 MIGHTY™ & TG350 3 DIGIT™

Those seeking a long-lasting handling glove should turn to the TG300 Mighty or its three digit equivalent, the TG350 3 Digit.

## **IDEAL FOR:**

- Carpentry
- Concreting
- Ductwork
- Flooring
- Groundworking
- Internal cabling
- Loft and pipe insulating
- Partitioning
- Plasterboarding
- Plumbing
- Steel fixing

## **KEY FEATURES:**

- Breathable PU coating
- Flexible, close fitting for excellent dexterity
- High tear and abrasion resistance
- High mechanical strength



### **EN 388**



TG370 STAMINA™

An excellent quality Cut-Level 3 handling glove, the TG370 is versatile, providing good grip, dexterity and comfort.

### **IDEAL FOR:**

- Carpentry
- Drain laying
- Ductwork
- Flooring
- Groundworking
- Internal cabling
- Landscaping

## **KEY FEATURES:**

- Flexible, close fitting for excellent dexterity
- High abrasion resistance
- High mechanical strength
- Aerotek<sup>™</sup> coating for excellent grip in wet, dry and oily conditions



## **EN 388**







## TG535 SECURE™

The master of all trades, the TG535 Secure is a comfortable glove with excellent grip and a full-length cuff for use in wet and dry conditions.

Guttering

Carpentry

Drain laying

Plumbing

Steel fixing

Partitioning

Groundworking

### **IDEAL FOR:**

Timberwork

Internal cabling

Steelworks

Second fix

electrics

• Loft and pipe

**KEY FEATURES:** 

dexterity and grip

• Comfortable with outstanding

• Suitable for wet and dry usage

insulating

- Plasterboarding
- Guttering

Loft and pipe insulating

• Plumbing

Partitioning

- Roof tiling
- Scaffolding







## **EN 388**

Plasterboarding

Glazing

Landscaping

Labouring

• Ductwork

• Roof tiling









## TG540 DEFENDER™

The TG540 Defender is a fully coated water resistant glove offering excellent dexterity for use in wet and dry conditions. For extra warmth in cold conditions, the TG540 can be worn with the TraffiTherm (TG105).

## **IDEAL FOR:**

- Steelworks
- Waste management
- Steel guttering Groundworking

## Plumbing Glazing

- Landscaping
- Labouring
- Drain laying

## **KEY FEATURES:**

- Fully water resistant green Soflex<sup>™</sup> coating
- High abrasion resistance
- Comfortable with excellent dexterity



**KEY FEATURES:** Amazing dexterity and comfort

TG562 DYNAMIC™

**IDEAL FOR:** 

Carpentry

Ductwork

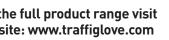
Flooring

Internal cabling

precision work in dry conditions.

A superbly comfortable glove with the highest abrasion and cut level protection, the TG562 Dynamic is ideal for

- Breathable PU coating
- High abrasion resistance



## **EN 388**

 Partitioning and ceiling grids

Plasterboarding

Steel guttering



To view the full product range visit our website: www.traffiglove.com

# RECOMMENDED GLOVE SELECTOR FOR CONSTRUCTION INDUSTRY

This table is an example of the safety gloves we have for some of the common construction tasks. For our full product range please visit the TraffiGlove website: www.traffiglove.com

		TG122 AGILE + TG150 SPEED	TG135 TOUGH	TG165 MOTION	TG180 ACTIVE	TG190 CONTOUR	TG300 MIGHTY + TG350 3 DIGIT	<b>TG370</b> STAMINA	TG535 SECURE	TG540 DEFENDER	TG562 DYNAMIC
TRADE	TASK										
Carpenter	Carpentry						•	•			
Carpet Layer & Tiler	Flooring						•	•	•		•
	Carpet laying								•		•
	Floor tiling								•		
Cladding	Cladding								•	•	•
Dryliner & Plasterer	Plastering		•								
	Plasterboarding						•	•			
Electrician	Electrics	•									•
	Internal cabling							•			•
General Purpose	Labouring & general handling	•	<u> </u>	<u> </u>		•				•	
	Waste			<u> </u>							
Glazing	Glazing										
Groundworks	Groundworking		<u> </u>	<u> </u>	•	•	•	•		•	
	Drain laying		•	•		•		•		•	
	Timber shuttering										
Heating, Ventilation & Air Conditioning	Ductwork						•	•			•
	Loft & pipe insulating							•			•
Interior Fit-out	Partitioning & ceiling grids							•			•
Landscaping	Landscaping		<u> </u>	<u> </u>	•	•		•			
Mason	Bricklaying		•	•	•	•					
	Concreting		<u> </u>	<u> </u>	•	•					
Painter & Decorator	Painting & decorating	•	<u> </u>								
Plant Operator	Plant operating	•	•								
Plumber	Plumbing		•					•	•		
	Plastic guttering						•	•	•		
Roofer	Roof tiling		•					•	•		
Scaffolder	Scaffolding			•				•			
Steelwork	Steel fixing						•		•	•	
	Steel sheeting								•	•	
	Steel guttering										•
	Steelwork										
Surveyor	Site surveying	•									

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# WHAT CAN TRAFFIGLOVE

OFFER YOU?



## A SAFETY SYSTEM THAT REDUCES HAND INJURIES

All of our gloves are colour-coded red, amber or green to reflect how much cut level protection they provide.



## A PRODUCT RANGE THAT SAVES YOU MONEY

TraffiGlove products are designed to provide greater protection and longer service.



## A BUSINESS PARTNER THAT IMPROVES YOUR BUSINESS

TraffiGlove provides all customers with training, literature and ongoing support.

If you can say yes to:



**WE WANT TO REDUCE OUR RISK** 



**WE WANT TO SAVE MONEY** 



**WE WANT TO BE MORE EFFICIENT** 



WE WANT TO BE AHEAD OF THE REST



**WE WANT IT TO BE EASY** 

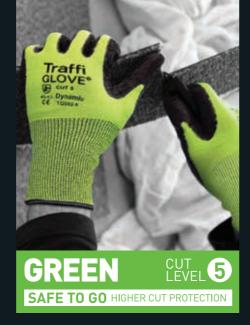
## Then say Yes to TraffiGlove

To find out what TraffiGlove can offer you, speak to our hand protection specialist team today on +44 (0) 1344 207090 or at info@traffiglove.com

www.traffiglove.com









## UK Head Office:

TraffiSafe Ltd | Maxx House | Western Road Bracknell | Berkshire | RG12 1QP T: +44 (0) 1344 207090 E: info@traffiglove.com www.traffiglove.com



