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CENTRE CANADIEN DE RECHERCHES POLICIERES

TM-02-95E CROWD CONTROL SUIT WITH INTEGRATED PROTECTION

By: Gilles Saint-Antoine, Deputy Director General
Sûreté du Québec

TECHNICAL MEMORANDUM

Submitted by
Jean Paul Leduc, Insp.-chef
Le Directeur des mesures d'urgence

October, 1994

NOTE: Further information
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EXECUTIVE SUMMARY

The Sûreté du Québec worked together with the Montreal firms SNC Industrial Technologies Inc. and Securitex Inc. to define and develop a one piece crowd control suit that would offer protection for police officers, but at the same time, would not give an aggressive appearance.

A number of safety factors have been integrated into the suit, as has comfort and ventilation. It is light, and does not restrict movement even when protective equipment is worn underneath.

The suit is available in a variety of sizes and colours, and in either a one or two piece configuration.

SURVEILLANCE DU TERRITOIRE
DIRECTION DES MESURES D'URGENCE

CROWD CONTROL SUIT WITH INTEGRATED PROTECTION

The purpose of this project was to conceive, make and distribute to the members of the Sûreté du Québec, a crowd control suit that is fireproof, hydrophobic, impervious to hydrocarbons, ergonomical and impervious to antistatic.

It must not be aggressive in appearance and be able to offer sufficient protection against blows, kicks or punches.

The Montreal firm's S.N.C. and Securitex, collaborated with the Sûreté du Québec in creating this project.

1. Suit:

Made of only one piece, in kernel fabric, its properties are fireproof, hydrophobic, hydrocarbon proof and antistatic.

Furthermore, the pockets and zippers are placed as to enable its opening in a natural gesture of the hand.

In the front and at the arms, the fabric does not let water, acids and hydrocarbon penetrate and as for the back, only water and acids can not penetrate.

This characteristic permits a good ventilation for the user.

In the event of a demonstration, no acid or petroleum products can reach the user's skin, from the front, even when it is thrown at him.

2. Intesrated protection:

Since the light body armour is always worn in crowd control situations and does provide sufficient protection for the chest and the back, the study did not consist in designing greater protection for the upper body.

The protections developed for the other parts of the body had to harmonize with this piece of equipment.

The arm and the forearm are covered by a protector, from the wrist, (up to the elbow). The shoulders, the shoulder blades, the collarbone and the upper chest are protected by shoulder pads.

The legs are also protected by a pad from the top of the knee down to the ankle. This piece protects the front and the sides.

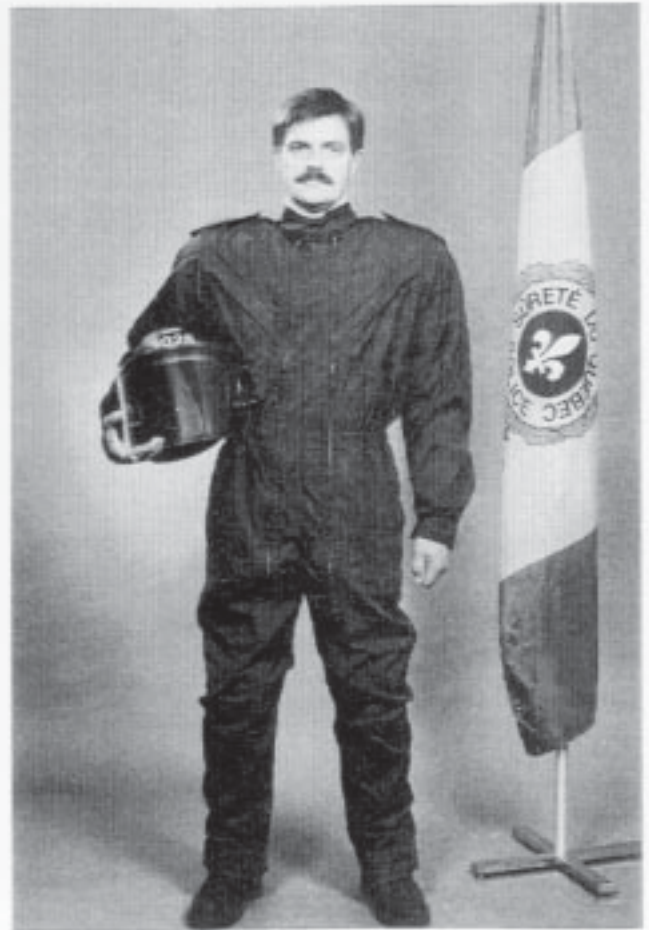
The material used for all the pieces of equipment is ultra light and can provide a sufficient protection against an object thrown or a given blow with a piece of wood.

When worn, it will give a non provocative look and will permit a great mobility to policemen.

Furthermore, since very light, it will not obstruct the user, even when worn for a long period.



protective equipment worn under the suit



protective suit complete with helmet



protective suit

RIOT SUIT

DESCRIPTION

The SNC IT Inc / SECURITEX Riot Control Suit is designed for rapid deployment and can be used in combat, tactical or street situations.

This suit is specifically designed to protect front line officers against aggressive behaviors which could result in serious wounds.

The outer suit is made from a high performance textile fabric (Kermel/Vicose) to provide a maximum comfort combined with a protection against chemical and oil products. Lightweight internal padding is made from resistant material to provide a high degree of protection. The low profile design doesn't show an aggressive image.

Well equipped with our Riot Suit, the officer has a better psychological advantage plus personal protection in dangerous situations.

CHARACTERISTICS

Light weight, mobile and molds to your body

Zippered front

Velcro (closures for adjustment)

Fully compatible with personal bullet proof vests or any other riot gear

Durable and easy to clean

STANDARD FEATURES

Made from 50% Kermel / 50% Fr Vicose

Herringbone weave

Protectors are made from polystyrene high density

H.M.W.P.E. BA 50-100 Faxon ® Larringbone Polymer

Water repellent

Chemical and flame resistance

Thermal protective (Fire retardant)

SIZES

Small, medium, large, extra large

AVAILABLE OPTIONS

1) Overall style (S.Q. model)

2) 2 pieces style

COLORS

Black - Green - Blue



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