

SPECIFICATION - TRELLCHEM® Splash 2000P

Trellchem® Splash 2000P offers combined chemical and respiratory protection. It is a soft and wear resistant suit with good comfort and chemical resistance. The Trellchem Splash 2000P suit is a type 3 “liquid tight” suit certified in accordance with the European standard EN 14 605 and the PPE directive as Respiratory protection. It is intended for use with a Powered Air Purifying Respirator (PAPR), which makes it comfortable for long working hours.

Design:	Encapsulating design with a small hump to accommodate the PAPR. On inside, the suit is fitted with a neck seal to provide optimal air flow inside the hood.
Suit material:	Soft and flexible PVC single coated polyamide knitted fabric. <i>Option 1: “TL” – Strong, flexible PVC double coated polyamide fabric.</i>
Seams:	Double-welded seams
Gloves:	Scorpio® #08-354 - Neoprene glove with cotton liner and rough surface for good wet grip <i>Option: Butyl rubber glove, Chloroprene glove, PVC glove, ChemTek™ #38-628 Viton/Butyl glove.</i>
Glove attachment:	Trellchem Bayonet ring system for quick and easy exchange. For extra safety the ring system is fitted with a safety pin.
Legs/Footwear:	Open legs with inner leg fitted with foot strap <i>Option: Sewn-in sock, Attached PVC safety boots or Attached Nitrile rubber Firemen’s boots.</i>
Boot attachment:	Boots are attached with plastic ring & Ligarex band system.
Visor:	Wide vision visor made from 1 mm flexible PVC.
Zipper:	Watertight PVC zipper positioned on the back across shoulders and protected by a single splash protective flap.
Reinforcements:	<i>Option: On elbows and knees.</i>
External marking:	Yes, upon request for example letters, numbers, logos. Minimum quantities may apply.
Air supply system/ PAPR:	PAPR type “Scott Proflow 2 SC 160 l/min” 2 pcs filters type “Scott CF 32 A2B2E2K2-P3”. The fan unit is fitted inside the suit with a belt and the filters are connected to the fan from the outside of the suit using special passthrough connections. Audible warning at low battery charge or filter blockage as well as visual display of battery status & filter blockage.

Air distribution system:	The air distribution system consists of a hose with a silencer, leading from the fan/PAPR unit along the back and over the head. The suit is equipped with 4 pcs overpressure valves; 2 pce in the hood and 1 pce/ leg. Each overpressure valve is protected by a splash protective pocket on the outside.
Work duration:	4 hours (battery is recharged from flat in 6 hours)
Temperature of use:	For the suit -40 to +65 °C (-40 to +149 °F)
Sizes:	XS – XXL
Weight:	Suit: approx 3 kg (with boots 5 kg) PAPR incl. battery: 1,6 kg
Shelf life:	7 years under optimal storage conditions.
Accessories:	Suit: CD Manual, 2 pcs extra Locking pins, 1 pce Molycote grease PAPR: Manual, 1 pce NiMH battery, 1 pce battery charger
Approvals:	EN 14 605 type 3: Trelchem Splash 2000 suit is certified by the notified body FORCE Certification, Denmark. EN 14126 - Protection against biohazards/infective agents Respiratory protection according to the PPE directive 89/686/EC with a powered filtering device fulfilling inward leakage requirements according to EN 943-1:2002*. The suit material is “antistatic” according to EN 1149-5 .
References:	The Trelchem suits are in world-wide use by leading hazmat, rescue and fire fighting teams, armed forces, military defence, civil defence as well as in the industry.

*Equivalent to the inward leakage requirement in EN 12 941 class TH3P.

Material properties	Suit material	
	Standard	Option 1: "TL"
Material weight (g/m ²)	430	510
Colour	Yellow	Orange or green
Mechanical data		
Abrasion (cycles / class)	>2000 / 6	>2000 / 6
Flex cracking (cycles / class)	>15 000 / 4	>100 000 / 6
Flex cracking @ -30 deg C (cycles / class)	> 1000 / 4	>4000 / 6
Tear resistance (N / class)	>60 / 4	>60 / 4
Tensile strength (N / class)	> 250 / 4	>1000 / 6
Puncture resistance (N / class)	> 10 / 2	>100 / 4
Resistance to flame (sec / class)	1 / 2	5 / 3
Seam strength (N / class)	> 300 / 5	> 500 / 6
Limited flame spread index (EN ISO 14116)	Pass / Index 1	Not tested
Antistatic material (EN 1149-5)	Pass	Pass
Chemical permeation data (min / class)		
Hydrochloric acid, 37 %	> 240 / 5	-
Sodium hydroxide, 40%	> 480 / 6	>480 / 6
Sulphuric acid, 98 %	-	>120 / 4

Test methods according to EN 14605 and classes according to EN 14325. Except Limited flame spread and Antistatic properties which are voluntary tests, not stipulated in EN 14605.