

**TROTON**

**TROTON SPECIALS**  
**RANGERS PRODUCTS**

**Product Catalogue**

Automotive Refinish since 1978

[www.troton.eu](http://www.troton.eu)

# RANGERS

## 2K POLYURETHANE COATING WITH STRUCTURE EFFECT

TOUGH AND DURABLE SURFACE PROTECTION  
WITH GREAT RESISTANCE TO:



**MECHANICAL DAMAGE** (scratches, stains)



**CHEMICALS** (oil, gasoline, salt)



**CORROSION**



**HIGH TEMPERATURES**



**UV RADIATION**



**WEATHER CONDITIONS**



# WIDE RANGE OF APPLICATIONS



## AUTOMOTIVE

- Automotive undercoating and chassis
- Bed liner
- Full exterior protective coating
- Body panels
- Bull bars
- Commercial vehicles, trailers and semi-trailers
- Pickup campers
- Trunk interiors
- SUV floors
- Wheel arches
- Motorbike trunks



## RECREATION

- Aluminum decks of boats
- Camper cabins
- Water scooter decks
- Caravans
- Boat trailers
- Off-road trailers
- Towing trailers



## AGRICULTURAL

- Plows
- Trailer hooks
- Agricultural machinery
- Silos
- Gates and fences



## HOME & GARDEN

- Wheelbarrows
- Gates and fences
- Metal cabinets, shelves and tables
- Tool chests
- Ladder steps (*with anti-slip powder*)
- Letterboxes
- Waste bins



## INDUSTRY

- Machine covers
- Equipment hardware
- Forklifts
- Ramps
- External piping
- Lorries
- Metal walls of workshops and warehouses
- Beams, handrails and balustrades
- Concrete mixers
- Work benches

# RANGERS

## POLYURETHANE PROTECTIVE COATING WITH STRUCTURE EFFECT



RANGERS provides great protection against the toughest mechanical (stains, scratches) and chemical damages (oil, salt, gasoline, water). It is resistant to weather conditions (UV filters), corrosion (anti-corrosion agents) and can be used on a variety of substrates.

It creates an extremely strong and durable 2K urethane coating recommended for pick-up trucks, heavy-duty commercial vehicles, off-road vehicles, caravans, suvs and other vehicles exposed to damage.

The product gives a structure effect (from fine to coarse) and is available in black and in a tintable (transparent) version. Colour can be added to the tintable version by the addition of diluting products (detailed instructions available in TDS sheet).

Rangers can be applied with UBS antigravel gun or after thinning with conventional gravity feed gun.

For painting large surfaces it is recommended to apply the product using pneumatic spraying with low feed pump.



- Excellent car body and chassis protection in all conditions
- Very tough durable coating
- Great mechanical and chemical resistance
- Soundproofing properties
- Can be applied in thick layers
- Possibility to obtain various structures (from fine to coarse)
- Anti-slip structure (anti-slip additive)
- Possible application using pneumatic spraying for large surfaces

VOC for the mixture using an UBS gun = 389 [g/l]

VOC for the mixture using a gravity feed gun (3:1+20%) = 530 [g/l]

The share of VOC for the mixture is below 840g/l. These products fulfill the EU directive (2004/42/WE) that sets the VOC value for this product category (kat. B/5), as 840 g/l.

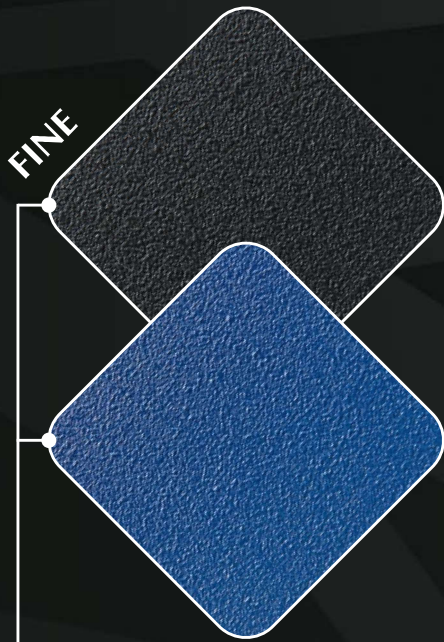
### RANGERS POLYURETHANE PROTECTIVE COATING 2K

| colour   | art. no. | unit     | quantity per carton |
|----------|----------|----------|---------------------|
| black    | 12167    | 1 kg set | 4                   |
| tintable | 12196    | 1 kg set | 4                   |
| black    | 15575    | 15,8 kg  | -                   |
| tintable | 15574    | 15,8 kg  | -                   |
| hardener | 15576    | 4,2 kg   | -                   |

### SLIP RESISTANCE ADDITIVE

| art. no.  | unit | quantity per carton |
|-----------|------|---------------------|
| 300008579 | 10 g | 24                  |

# APPLICATION OF STRUCTURES



## CONVENTIONAL GUN

2 layers  
total thickness of dry layers approx. 150 ÷ 200 µm



### FIRST LAYER - CONVENTIONAL GUN



spray evenly with sweeping motion until the proper coverage is obtained

**Proportion ratio (by volume):**  
3:1 + 10 ÷ 15%\* for nozzle 1,7 ÷ 1,8 mm  
3:1 + 15 ÷ 20%\* for nozzle 1,6 mm  
**Nozzle:** 1,6 ÷ 1,8 mm  
**Pressure:** 2 bar  
**Distance:** 25 ÷ 35 cm

*Allow to flash off for 30 ÷ 50 minutes between layers (the surface should be matt)*

### SECOND LAYER - CONVENTIONAL GUN



spray second layer until desired fine structure is obtained

**Proportion ratio (by volume):**  
3:1 + 10 ÷ 15%\* for nozzle 1,7 ÷ 1,8 mm  
3:1 + 15 ÷ 20%\* for nozzle 1,6 mm  
**Nozzle:** 1,6 ÷ 1,8 mm  
**Pressure:** 1 ÷ 1,5 bar  
**Distance:** 30 ÷ 35 cm

\* Premium Universal Thinner  
to obtain even finer structure 1.4 ÷ 1.5 mm nozzle can be used with 15 ÷ 20% thinner addition



## CONVENTIONAL GUN + UBS GUN

2 layers  
total thickness of dry layers approx. 200 ÷ 250 µm



### FIRST LAYER - CONVENTIONAL GUN



spray evenly with sweeping motion until the proper coverage is obtained

**Proportion ratio (by volume):**  
3:1 + 10 ÷ 15%\*  
**Nozzle:** 1,8 ÷ 2,5 mm  
**Pressure:** 2 ÷ 3 bar  
**Distance:** 25 ÷ 35 cm

*Allow to flash off for 30 ÷ 50 minutes between layers (the surface should be matt)*

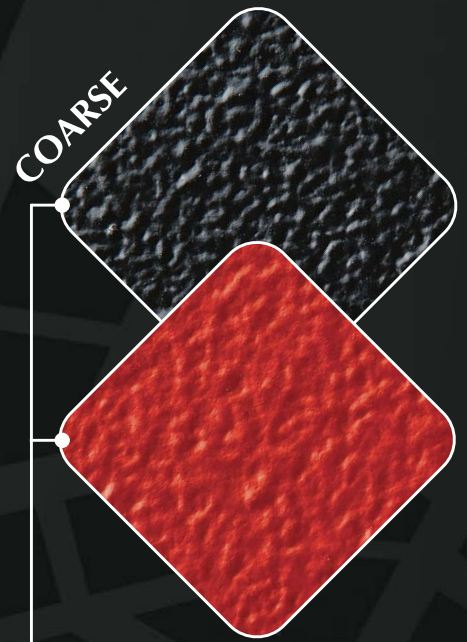
### SECOND LAYER - UBS GUN



spray second layer until desired medium structure is obtained

**Proportion ratio (by volume):** 3:1  
**Pressure:** 2 ÷ 2,5 bar  
**Distance:** 35 ÷ 40 cm

\* Premium Universal Thinner



## UBS GUN

2 layers  
total thickness of dry layers approx. 300 µm



### FIRST LAYER - UBS GUN



spray evenly until the proper full coverage is obtained with the initial arrangement of the structure

**Proportion ratio (by volume):** 3:1  
**Pressure:** 2,5 ÷ 3 bar  
**Distance:** 30 ÷ 35 cm

*Allow to flash off for 30 ÷ 50 minutes between layers (the surface should be matt)*

### SECOND LAYER - UBS GUN



application of the second full layer with the arrangement of coarse structure

**Proportion ratio (by volume):** 3:1  
**Pressure:** 2 ÷ 2,5 bar  
**Distance:** approx. 40 cm

# RANGERS APPLICATION

## SPRAY GUN APPLICATION



|                                | UBS                      | CONVENTIONAL GUN         |
|--------------------------------|--------------------------|--------------------------|
| PROPORTION RATIO               | 3 : 1                    | 3 : 1 + 10 ÷ 20%         |
| NOZZLE                         | ---                      | 1,4 ÷ 2,5 mm             |
| INLET PRESSURE                 | 2 ÷ 4 bar                | 2 bar                    |
| DISTANCE                       | 20 ÷ 50 cm               | 20 ÷ 50 cm               |
| NUMBER OF LAYERS               | 2                        | 2                        |
| FLASH OFF BETWEEN LAYERS       | 30 ÷ 50 min.             | 30 ÷ 50 min.             |
| READY FOR ASSEMBLY             | 3 days                   | 3 days                   |
| TROUGH DRY (severe conditions) | 7 days                   | 7 days                   |
| EFFICIENCY                     | 2,5 ÷ 3,0 m <sup>2</sup> | 3,5 ÷ 6,5 m <sup>2</sup> |

### RANGERS TINTABLE

Colour can be added to the tintable Rangers version with the addition of diluting products (for the whole mixture)

- Acrylic solvent borne basecoat toner - 5 ÷ 10%
- Acrylic solvent borne basecoat - 10 ÷ 15%
- Acrylic solvent borne topcoat - 10 ÷ 15%

### ANTI-SLIP ADDITIVE

To create a non slip surface add Rangers anti-slip additive powder (10g). Packaging contains 10g of anti-slip additive needed to fill one bottle of RANGERS protective coating (1kg/840ml mixture). Pour the contents directly into the RANGERS bottle, add hardener and shake very well for about 2 minutes.

## PNEUMATIC SPRAY APPLICATION WITH LOWER FEED

PRESSURE TANK, PNEUMATIC PUMPS, PISTON PUMPS

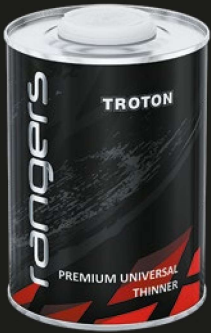
Rangers can be also applied by pneumatic spray using pressure tank and pumps. We recommend to take advantage of this possibility while painting large surfaces.

|                      |                   |
|----------------------|-------------------|
| PROPORTION RATIO     | 3:1 (no thinner!) |
| SPRAY NOZZLE         | 1.8 ÷ 2.5 mm*     |
| MATERIAL PRESSURE    | 3 ÷ 6 bar*        |
| ATOMIZATION PRESSURE | 0.8 ÷ 2.5 bar*    |
| FINE STRUCTURE       | 0.8 ÷ 2.5 bar*    |
| COARSE STRUCTURE     | 0.8 ÷ 1.5 bar*    |

\* according to the recommendations of the equipment manufacturer.



## PREMIUM UNIVERSAL THINNER



The product intended for the dilution of Rangers polyurethane protective coating. The thinner is a mixture of carefully chosen high quality organic solvents perfectly balanced to enhance the performance of Rangers products. It ensures the proper application, fluidity, drying and achievement of products with strictly defined parameters. It is suitable also for dissolving other acrylic products.

| art. no.  | unit | quantity per carton |
|-----------|------|---------------------|
| 300008645 | 1 l  | 6                   |

## KIT FOR PROTECTIVE COATING APPLICATION



Spray gun designed for Rangers polyurethane protective coating application equipped with 2 universal disposable applicators. The set allows you to continue working always with a clean applicator avoiding long cleaning times of the nozzle. The universal spray nozzle can be quickly replaced with a new one if required. It can be also used again by immersing it in a small quantity of cleaning solvent (the nozzle is made of solvent resistant materials). You can adjust the application parameters by turning the front nozzle from 0 mm to 5 mm.

With the application kit, you get flexibility and faster work speed!

### The kit consists of:

- 1 piece spray gun
- 2 pieces disposable applicators complete with suction tube

|           |
|-----------|
| art. no.  |
| 300010098 |



## 2K ANTICORROSIVE EPOXY PRIMER 4:1



High quality 2K epoxy primer with anticorrosive additives created to use specifically under Rangers 2K polyurethane coating. Provides great anticorrosive protection for steel substrates, strengthens and prolongs anti-corrosion effect of Rangers 2K polyurethane coating.

Depending on the amount of thinner can be used as a filling primer (4:1+15%) or isolating primer (4:1+25%), with higher dilution suitable for application 'wet on wet' (4:1+50%).

- Perfect protection of steel surfaces.
- Very strong adhesion to different substrates.
- Excellent flow and easy application process.

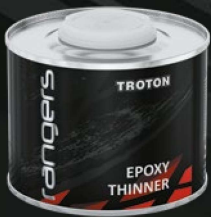


VOC for the mixture = 382 [g/l] (4:1+15%)  
= 430 [g/l] (4:1+25%)  
= 498 [g/l] (4:1+50%)

This product meets the EU directive (2004/42/EC) that sets the VOC value for its category IIB(c) at 540 g/l.

| colour     | art. no. | unit          | quantity per carton |
|------------|----------|---------------|---------------------|
| light grey | 15260    | 0,8 l + 0,2 l | 6                   |

## EPOXY THINNER



Product dedicated for dilution of Rangers 2K anticorrosive epoxy primer. Thinner for epoxy primer is a mixture of specially combined high quality organic solvents that allows to obtain a product with strictly defined parameters. Provides proper application, levelling and curing.

Detailed ratios for each product are given in technical data sheets.

| art. no. | unit  | quantity per carton |
|----------|-------|---------------------|
| 15287    | 0,5 l | 6                   |



## UBS ANTI-GRAVEL



Car body protection agent designed to protect automotive bodywork from stone chips and the damaging effects of gasoline, oil, water, and salt. It creates a durable and flexible protective coating with a distinctive texture, offering soundproofing and sound-absorbing properties. It is free from bituminous substances and asphalt. It can be overcoated with any acrylic paints.

- Reduced VOC content (only 410 g/l) for minimized environmental impact without compromising performance.
- Dust-free application.
- High-quality synthetic resins ensure durability and resistance of the coating, even under tough conditions.

**VOC for the mixture = 410 [g/l]**

This product meets the EU directive (2004/42/EC) that sets the VOC value for its category IIB(e) at 840 g/l.

| colour | art. no. | capacity | quantity per carton |
|--------|----------|----------|---------------------|
| black  | 16690    | 1 kg     | 12                  |
| grey   | 16691    | 1 kg     | 12                  |
| white  | 16689    | 1 kg     | 12                  |

## MATT 2:1



High quality 2K matt acrylic clearcoat with special effect. Designed for specialized repairs of car body parts that require a matt finish. It allows to obtain evenly matted surface as well as a strong and durable finish.

The product can be used allone for a fully matt effect or mixed with other selected Troton's clearcoats to achieve different ranges of gloss level (detailed information available in TDS sheet).

- Excellent matt apperance
- Very good flow and levelling
- Hard and durable finish
- Increased scratch resistance (SR)

**VOC for the mixture = 593,7 [g/l]**

This product meets the EU directive (2004/42/EC) that sets the VOC value for its category IIB(e) at 840 g/l.

| art. no. | unit  | quantity per carton |
|----------|-------|---------------------|
| 6301     | 1 l   | 6                   |
| hardener |       |                     |
| 6300     | 0,5 l | 6                   |

## ADHESION PROMOTER FOR PLASTICS



Adhesion promoter designed for repairs of car body parts made of plastic. Can be used as an additive to compatible 2K primers or as a ready-to-use 1K primer that increases adhesion of the paint coating to plastic elements. Apply as instructed in the technical data sheet.

- Excellent adhesion to plastics
- Easy to use
- Can be mixed with Troton's compatible 2K primers

**VOC for the mixture = 796 [g/l]**

This product meets the EU directive (2004/42/EC) that sets the VOC value for its category IIB(a) at 850 g/l.

| colour            | art. no. | unit  | quantity per carton |
|-------------------|----------|-------|---------------------|
| transparent straw | 15505    | 0,5 l | 6                   |

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