

## ARMOUR - TRUCK

### Polyurea Elastomer

#### Product Description

**ARMOUR - TRUCK R** is a resin system which when combined with Armour - Truck H will produce a resilient, durable polyurea elastomer specifically designed for easy application with good physical properties.

**It is typically used as a liner to protect truck beds.**

**ARMOUR - TRUCK** is available in a range of colours as indicated.

White	Black	Red
Yellow	Green	Blue
Orange	Grey	Brown

#### Advantages

- Amazing durability
- No loss of load space area
- Does not split or crack like plastic drop-in liners and water cannot get under it
- Easy clean
- Great impact resistance
- Range of colours
- Any thickness required
- Sound deadening qualities
- Smart factory finish
- Very grippy, slip resistant

#### Processing

**ARMOUR - TRUCK** is processed through specially designed dispensing equipment having accurate metering pumps for the two components. The components should be maintained at 40-60°C and mixed and sprayed by the appropriate equipment, on which Isothane technical staff can advise.

Ambient conditions should be suitable for PU processing, with particular emphasis on humidity is 90% or above or the substrate temperature is less than 3°C above the local dew point.



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#### Storage, Handling and Personal Protection

- **ARMOUR - TRUCK** should be stored in dry conditions at a temperature 20 - 25° C.
- **ARMOUR - TRUCK R** Resin has a shelf life of 6 months. Armour - Truck H has a shelf life of 6 months if stored at 20 - 25° C.
- Opened, part used containers must be resealed immediately after use.

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication "A Guide to the Safe Handling of Polyurethane Chemicals" and in the following Technical Data Sheets which are available on request:-

- Decontamination of Isocyanates using Isothane Decontaminant.

#### Additional Information

**ARMOUR - TRUCK R** resin may require some agitation before use, in order to effect redispersion of any pigment. Recirculation of both components from the barrel, through the machine's heater blocks and back to the barrel, is recommended when using standard 2:1 or 1:1 transfer pumps, in order to prime the materials and machine. 30 minutes of recirculation to warm the components to around 40° C will be adequate.

<u>Typical Properties of</u> <u>Armour - Truck</u>	<u>Armour - Truck R Resin</u>	<u>Armour - Truck H</u>
Appearance	Free flowing liquid	Hazy Yellow Liquid
Viscosity 25° C	1000 cps	750 cps
Specific Gravity @ 25° C	1.05	1.15
Water Content	<0.01%	N/A
Mixing Ratio:	100 parts Armour - Truck R Resin: 100 parts Armour - Truck H (by volume, mix tolerance $\pm 1\%$ )	
Process:	Spray	

This information is of a general nature and is supplied without recommendation or guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Liability for loss or damage through use cannot be accepted except for death or injury caused by negligence on the part of Isothane Ltd. Whilst these specifications are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are applied. Users must, by comprehensive testing, ensure suitability of product for own use. Without control or supervision of the preparation for and application of Isothane products, general guarantees cannot be offered.



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**Armour - Truck Properties**

<u>Units</u>	<u>Typical Values</u>	<u>Test Method</u>
Shore Hardness ° D	45	
Tensile Strength MPa	18	ASTM D412
Elongation %	350	ASTM D412
Tear Strength KN/m	70	ASTM D624

**Reaction Profile**

Gel Time	3 secs
Touch Dry	<10 secs
Cure	80% of maximum tensile strength is attained within 2 hrs at 20° C



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