



Product Data Sheet

Transofire 5.20

Product description.

A one component intumescent coating for the protection of structural steel structures against cellulosic fires. The product provides protection from 30 to 90 minutes and complies to international standards. The product can be recoated with various finish products.

Physical properties.

Colour / Texture White / Matt
 Volume Solids 55%
 Specific gravity 1.2 gr/ml
 VOC 406 gr/litre
 Flashpoint >25 °C

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m ² /l)
Recommended	200	360	2.75

Application data.

Guiding data Airless spray Pressure at nozzle: 150 –200 bar. Nozzle size: 0.48 - 0.68 mm.
 Spray angle: 30 - 60 degrees.
 Volume of thinner: 0 – 3%

Brush / Roller Suitable. Multiple coats are required in order to reach the specified film thickness.
 Volume of thinner: 0 – 5%.

Thinner / Cleaner Transocean Special Thinner 6.01.
 Avoid excessive thinning as it will result in lower sag resistance and slower cure.

Drying and recoating times.

Substrate temperature	Touch dry	Hard dry	Dry to recoat	
			Minimum	Maximum (2)
23 °C	1 hour	24 hours.	12 hours	Indefinite
30 °C	35 minutes	16 hours.	8 hours	Indefinite

(1) The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, preceding paint system etc

(2) The surface should be dry and free from salts and other contaminants prior to overcoating. When in doubt, consult your nearest Transocean office.

Surface preparation.

Steel	Transofire should be applied on a suitable priming system. The surface must be dry and free salts, grease and other contaminants prior to overcoating. Remove any salts and dirt by fresh water washing.
Repair	Corroded areas should be power tool cleaned to ISO-St2 or blast cleaned to ISO-Sa2 or better and subsequently painted with a by Transocean approved priming system.

Recommended paint system.

A typical anticorrosive system for industrial installations is shown below.

Transpoxy ZP Primer 1.61	1 x 75 µ dft.
Transofire 5.20	Depending on fire resistance required as per table below

Fire protection	30 min	60 min	90 min	
Wet film thickness	730	1100	2550	
Dry film thickness	400	600	1400	
Theoretical spreading rate (m ² /l)	1.37	0.9	0.38	

Application conditions.

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate.

The maximum recommended surface temperature is approx. 40°C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.

When applying the paint in confined spaces, provide adequate ventilation during application and drying.

The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

Storage and shelf life.

The product must be stored in accordance with national regulations. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

Worldwide availability

The product is part of the common Transocean product range but local availability is subject to confirmation. Although we strive to supply the same product through the world, slight modifications of the product in some cases may be necessary in order to comply with local conditions and/or national regulations. In such cases an alternative datasheet will be issued.

Health and safety.

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators.

As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spraying should be carried out under well-ventilated conditions. This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

Disclaimer

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product without notice.

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