



THERMO SHADAN W F-DK

Product description:

THERMO SHADAN W F-DK is a single pack fluorine resin emulsion elastomer top coat for the heat reflection coating system THERMO SHADAN.

- Excellent heat reflection,
- Excellent gloss and colour retention, much superior to typical polyurethane finishes,
- Good weathering resistance,
- No heavy metal is contained such as lead and chromium,
- Single component,
- Water based and non-flammable,
- Good application workability.

TECHNICAL DATA

Type: Single component water based fluorine resin finish.

Recommended use: As a top coating of water based THERMO SHADAN system for roofs and exterior walls of any building where to keep temperatures stable such as storage tanks, food warehouses, food processing plants, grain stores, stables, milking sheds, cow sheds, pig pens, poultry sheds, etc. Also for roofs and exterior walls of any building where to reduce running costs of air conditioning systems such as offices, factories, hotels, hospitals, etc. Also for roofs and exterior walls of prefabricated buildings and caravans which are not normally equipped with air conditioning units.

Surface Preparation: Surface to be painted must be clean (free from rust, dust, oil, grease, moss, salt, etc.) and dry (surface temperature must be higher than the dew point 3°C or more). This product should be applied on the preferable preceding coats. Before the application of THERMO SHADAN W F-DK, preferable preceding primer coats should be applied for damaged area in accordance with the Product Data Sheet of the preceding coat.

Physical Data:	Colour:	Snow White, Ice Grey, Cream, Ivory, Mint Green, Aqua Blue	
	Flash point:	Not Applicable	
	Volume solids %:	38	±2
	VOC (g/l):	80	Theoretical

Application Details:

Thinner:	TAP WATER
Min. Temperature:	5 °C
Max. humidity:	85% R.H.
Application Data:	Brush, roller

For airless spray:  Tip No.: -
 Paint output pressure: -
 Thinning: 0 - 5% (by volume)

Film thickness and spreading rate:		Min.	Max.	
	Film Thickness, wet:	79	105	µm
	Film Thickness, dry:	30	40	µm
	Spreading Rate:	12,7	9,5	m ² /l (theoretical)

Preferable preceding coating: THERMO SHADAN PRIMER W EP-DK

Preferable subsequent coating: -

Packing: One Pack Product

Notes: All cleaned surfaces should be coated normally within 4 hours and before rust bloom occurs. Patch or stripe coat for sharp edges, bolts, or crevice should be applied by brush at first. Apply within recommended film thickness to avoid lifting and wrinkling of overcoating subsequent coat. Before subsequent coat application, all chalks (if existed) and any contaminations should be removed. Sufficient ventilation is required for confined space to remove solvent vapour during application and drying. Surface condensation after paint application should be prevented by suitable method such as polymer sheet cover to avoid coating defects. This product coating is not suitable for water immersion and surface which has permanent dew. This product coating must not be exposed to acid and alkaline atmosphere.



Overcoatability

Temperature	Drying time (at DFT 40 µ)	Overcoating interval (at DFT 40 µ)	Induction time	Pot life	Remarks
-5 °C	-	-	-	-	-
0 °C	-	-	-	-	-
5 °C	Surface dry:5 hours Hard dry 24 hours	Min.: 24 hours Max.: None	-	-	-
10 °C	Surface dry:4 hours Hard dry 16 hours	Min.: 16 hours Max.: None	-	-	-
20 °C	Surface dry:3 hours Hard dry 10 hours	Min.: 10 hours Max.: None	-	-	-
30 °C	Surface dry:2 hours Hard dry 8 hours	Min.: 8 hours Max.: None	-	-	-

Safety information: If Health, Safety and Environmental information is required a Health and Safety Data Sheet can be obtained from Chugoku Paints B.V.

Personal Protection advice and additional information can be obtained from the product Health and Safety Data Sheet which is available on request. The minimum safety precautions in dealing with this paint are:

- Observe the precautionary notices displayed on the container.
- Provide adequate ventilation.
- Avoid skin contact and inhalation of spray mist.
- If the product comes into contact with the skin, wash thoroughly with luke warm water and soap or suitable cleaner. If the eyes are contaminated, irrigate with water and seek medical advice immediately.
- Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Definitions:	Tolerances:	The numerical information quoted in this Technical Data Sheet is subject to normal manufacturing tolerances.
	Spreading Rate:	The spreading rate can vary depending on application conditions, the geometrical complexity of the structure, the weather conditions, etc.
	Volume Solids:	The volume solids figure given in this Technical Data Sheet is the percentage of dry film obtained from a given wet film thickness under specified application rate and conditions measured by the Chugoku Standard Method corresponding to ASTM method D2697 if not otherwise indicated.
	Overcoating Intervals:	The intervals given assume preparation consistent with good painting
	Hard dry:	The time taken until the product can be walked on without damaging it. Time taken until full mechanical strength is obtained is longer.
	V.O.C.:	Theoretical quantity of volatile organic compounds in g/l.

Disclaimer: Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. Product data is subject to change without notice and automatically void two years from issue. All legal relations of Chugoku Paints B.V. will be governed by the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. as last filed with the district court of Rotterdam and upon request they will be made available without charge. Chugoku Paints B.V. explicitly rejects the applicability of any General Conditions, which its contractual parties may use. Exclusive jurisdiction: competent Court in Rotterdam.

The Inspector will undertake to the best of their ability, to carry out assistance during application of the products delivered by Chugoku, by only rendering advice in connection with the application at site. The Inspector undertakes to carry out the project in a conscientious manner, but Chugoku and/or the Inspector will not accept any kind of liability, direct or indirect, if the project does not give the results expected. Under all circumstances, the Buyer remains responsible for the execution of the project. Any advice and/or assistance rendered by the Inspector will be subject to such (final) responsibility of the buyer, and moreover subject to the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. Even when damages or delays have been caused by faults or negligence on the side of Chugoku and/or the Inspector, such will not result in any liability whatsoever of Chugoku or the Inspector. Liability of both Chugoku or the Inspector for any consequential damages is explicitly excluded.

Some products have been specially modified to adapt to specific European requirements with regard to European-, national- and local laws and regulations or with regards to specific European use requirements. As a result some physical properties in a TDS may differ from those given in the original Japanese TDS.