

EGENSKAPER & BRUKSOMRÅDE

Generisk Type	Two pack reinforced high solid aliphatic polyurethane.
Beskrivelse	Windmastic Topcoat HSX is a matt weathering resistant polyurethane topcoat with very good erosion resistance for use on wind turbine rotor blades. Also available as Windmastic Topcoat HSX Repair Kit for repair and touch up by brush or roller.
Egenskaper	• Durable topcoat in combination with Windmastic Primers for long service life • Fast curing • High solid, low VOC • Very good erosion resistance
Farge	RAL 7035, 9010, 2009, 3020 Other colors on request (RAL 5022, 7000, 9004, 9016, 9018)
Glans	Matt
Primer	Windmastic Primers, depending on blade manufacturing process.
Våtfilmtykkelse	115 - 230 microns dry film thickness, standard 155 microns.
Tørrfilmtykkelse	75 - 150 µm (2.95 - 5.9 mils) standard 100 microns Multiple coats can be required to obtain desired film thickness
Tørrstoffinnhold	By volume: 64 ± 2%
Teoretisk Dekkeevne	6.4 m ² /l at 100 µm Allow for loss in mixing and application.
VOC Verdi(er)	310 – 335 g/l depending on colour
Temp. Resistens (Tørr)	Kontinuerlig: 110°C (230°F) Ikke kontinuerlig: 130°C (266°F)
Begrensninger	Not recommended for immersion service
Toppstrøk	Normally not topcoated

UNDERLAG & FORBEHANDLING

Generelt	Surface must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
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BLANDING & TYNNING

Blanding	Power mix separately and then add Part B to Part A and power mix. DO NOT MIX PARTIAL KITS.
Tynning	May be thinned up to 10 % with Carboline Thinner # 25.
Forhold	5 : 1 (A to B) by volume By plural spray a tolerance of ±5 is acceptable giving A : B between 5.05 : 1/ 4.95 : 1 on volume
Brukstid	1 hour at 20°C and less at higher temperatures.

Windmastic Topcoat HSX

PRODUKT DATABLAD



PÅFØRINGSMETODE

Opplysningene gitt nedenfor er generelle, men dekker typiske forhold for dette produktet. Tilpasning etter lokale forhold kan gjøres for å optimalisere påføringen.

Sprøytepåføring

This is a high solids coating and may require slight adjustments in spray techniques. Wet film thickness is easily and quickly achieved. The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. Plural spray is recommended for large area application. Follow the manufacturer instruction for operation of the equipment.

Høytrykksprøyting

Pump ratio: 42:1 (min.)
Tip Size: 0.015 – 0.0023
Further information can be found in Application Guide

Kost & Rull (Generelt)

For small areas and stripe coating only. Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding.

Kost | Use a medium bristle brush.

Rull | Use a medium nap phenolic core roller.

PÅFØRINGSBETINGELSER

Tilstand	Materiale	Overflate	Omgivelse	Fuktighet
Minimum	5°C (41°F)	2°C (36°F)	2°C (36°F)	20%
Maksimum	35°C (95°F)	50°C (122°F)	40°C (104°F)	80%

Industry standards are for substrate temperatures to be 3°C above the dew point. Condensation due to substrate temperatures below the dew point can interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

HERDETIDER

Overflatetemp.	Overmaling	Maksimum Overmalingstid
5°C (41°F)	18 Timer	14 Dager
10°C (50°F)	12 Timer	10 Dager
20°C (68°F)	5 Timer	7 Dager
30°C (86°F)	2.5 Timer	4 Dager
40°C (104°F)	1 Time	2 Dager

Above recoating times are guidelines only. Actual recoating times can be shorter or longer depending on film thickness, ventilation, moisture or other local conditions. Please observe that the temperatures given are based on substrate (surface) temperatures.

Note: Light abrasion of the surface may be necessary when the maximum recoating intervals are exceeded.

Additional information can be found in Application Guide

RENGJØRING & SIKKERHET

Rengjøring

Use Carboline Thinner #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Sikkerhet

Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

RENGJØRING & SIKKERHET

Ventilasjon	When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.
Hensyn	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with applicable regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

EMBALLASJE, HÅNDTERING & LAGRING

Holdbarhet	Part A: 24 months at 24 °C Part B: 18 months at 24 °C Part B is moisture sensitive and only full kit should be used.
Lagringstemperatur & Fuktighet	5°-40°C 10 - 90% Relative Humidity
Lagring	Store indoors.
Emballasje	Part A 15 liters Part B 3 liters Also available in 180 liter drums and 0.6 liter Repair Kits

GARANTI

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