

## Nordtec Ceramic Rapid

FOR METAL REPAIR AND GENERAL MAINTENANCE

### Instructions for use

#### General Description:

Use **Nordtec Ceramic Rapid** for a wide range of repair instances.

**Nordtec Ceramic Rapid's** excellent adhesion to any metal surface, makes it outstanding for rebuilding metal parts which quality has deteriorated due to erosion/corrosion damage, or simply just worn metal.

Often used for corroded tanks, pumps, impellers, valves, tubes, pipes, heat exchangers, flanges, leak repairs etc.

#### Surface Preparation

Make sure the surface is clean before applying **Nordtec Ceramic Rapid**.

Best conditions is a sandblasted surface, according to Swedish Standard SA 2 1/2. If impregnation of oil or salt is present, hotwash the item with a hi pressure cleaner, and heat it up to 40-60° C, or heated to 30-40° C, in order to remove any unwanted dirt. Repeat the sandblasting. Under some circumstances sandblasting is not possible, thorough grinding must take place to clean the metal.

Note: Don't use a steelbrush, as it gives an unwanted smooth surface.

Finally use appropriate cleaner to degrease the item, before application.

#### Applying:

Nordtec Ceramic Rapid is applied using a spatula supplied with the kit.

<b>Mixing Ratio Vol.</b>	Resin	Hardener
By volume	1	1
By weight	1	1
<b>Pot life at 20° C</b>	10-20 min.	
<b>Overcoating Time 20° C</b>	max. 60 min.	
<b>Full Mechanical</b>	3 days.	
<b>Specific Gravity</b>	1.420	

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

Exclusive Norwegian Agent for:

**Vestas aircoil**®

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FOR METAL REPAIR AND GENERAL MAINTENANCE



## TECHNICAL DATA SHEET

**Nordtec Ceramic Rapid** is an industrial adhesive, developed for Marine applications, Fresh water generators, also suitable for crack repairs and sealing.

Once Nordtec Ceramic Rapid has cured for a minimum of 2 hours at 20°C (68°F), machining can be carried out.

### Physical properties:

<b>Hardness Shore D</b>	100
<b>Tensile Strength</b>	258kg/cm <sup>2</sup>
<b>Flexural Strenght</b>	210g/cm <sup>2</sup>
<b>Adhesion to Aluminium</b>	37kg/cm <sup>2</sup>

<b>Hardness</b>	ASTM D785 (Post Cured 24 hrs at 100° C/212° F)
<b>Tensile Strength</b>	ASTM
<b>Flexural Strenght</b>	ASTM D790
<b>Adhesion</b>	ASTM D1002 (Aluminium)
<b>Specific Gravity</b>	1.420

### **Heat Resistance °C:**

Corrosion	60
Light or no Load	120
For filling only	250

	Resin	Hardener
<b>Mixing Ratio Vol.</b>		
By volume	1	1
By weight	1	1

<b>Pot life at 20° C</b>	10-20min.
<b>Machining Time</b>	max. 60min.
<b>Full Mechanical</b>	3 days.

<b>Consistency, mixed</b>	Paste
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