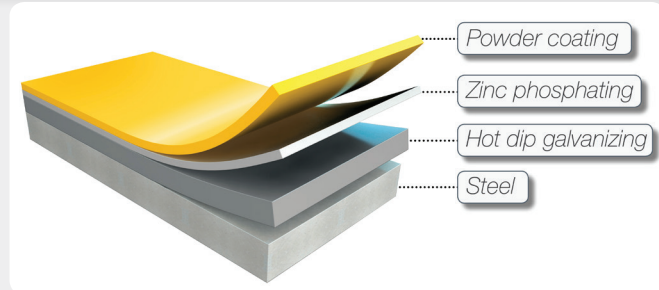


CombiCoat® treated steel products

Producer / Technical service

Vik Ørsta AS
P.O. Box. 193, N-6151 Ørsta, Norway
Telephone: +47 70 04 70 00
Company No.: NO 985001952
E-mail: firmapost@vikorsta.no
Web: www.vikorsta.no



1. Product description

CombiCoat® treated steel products

2. Description for management and maintenance

In general CombiCoat® treated steel products do not require maintenance, but in certain aggressive environments some easy cleaning is recommended. This will both increase the life span, and preserve the sheen on the products. Detergent with pH 5 – 8 is recommended. Repair on damages and lack of coverage - can be done.

Proper surface treatment is necessary prior to applying the organic coating - either primer with top coating or top coating alone – to achieve necessary adhesion for corrosion protection.

If damage in CombiCoat® only has visual impact and product is not in corrosive environment (not in environment in corrosive category C3 or higher) can perform the simplest treatment as described in section 1 and 2. Other damage referred to section 3.

Step Process

1 Cleaning / Pre-treatment:

Surface need to be clean from oil, wax and dirt. If necessary, use neutral detergent (pH 5-8) for cleaning.

2 Repair on minor damages:

Repair by using *Quick Bengalack Universallakk* or similar with correct colour. This is available in local shops.

3 Repair on bigger damages or damage influencing the corrosive protection:

Clean the surface as described in section 1. Use *Jotun Smartpack System* or similar primer, and two-component topcoat. Use the technical data sheet for the product.
If necessary, contact us for further instructions and advice.

4 Climatic conditions:

Outdoor repair is dependent on weather conditions. Use the technical data sheet from the paint supplier.

3. Emission and environmental influence

Emission to earth	:	Not relevant
Emission to air	:	Not relevant
Emissions factor	:	Not relevant
Registered measurement	:	Not relevant

4. Reference

References to Health and Safety Executive

Danger class: Product has no hazard sign
Risk: No R sentences defined
Safety sentences: No S sentences defined

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5. Treatment for waste

CombiCoat® treated products goes to steel works for recirculation.

Estimated lifetime: This can be calculated using this formula:

$$LT=K(LZn+LM)$$

LT = Estimated lifetime (year).

LZn = Zink layer lifetime (year) in specific environment.

LM = Painting layer lifetime (year) in specific environment.


K = Environmental synergy factor:

1,5 when the system is exposed to corrosive class C4 or C5 or completely submerged in water.

1,6- 2,0 when the system is exposed to corrosive class C3 or when the system is moist less than 60 % of the time.

2,1 -2,3 when the system is exposed to corrosive class C2.

Lifetime is dependent of the environment the product is exposed to:

- | | | | |
|----|----------------------------|--|------------------|
| 1. | Inland atmosphere |  | Least aggressive |
| 2. | Sea and coastal atmosphere | | |
| 3. | City atmosphere | | |
| 4. | Industrial atmosphere | | Most aggressive |

Corrosive categories NS-EN ISO 12944-2

C1	very low
C2	low
C3	medium
C4	high
C5-1	very high (industrial)
C5-M	very high (marine)

6. Attachments

None.