



Baltoflake

Glassflake Reinforced Coatings



Ultimate protection
whatever man & nature
can throw at them

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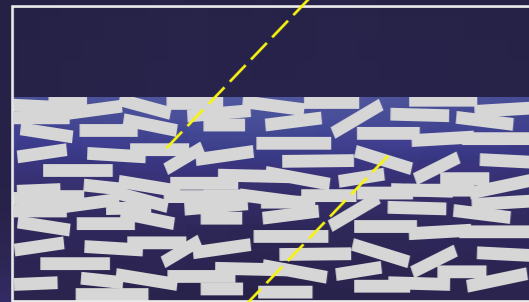
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Combining the strength of specially formulated polyesters with a unique glassflake reinforcement



Impermeable protection of steel
against abrasion and corrosion
however hostile the environment



WALK ON AFTER JUST 3 HOURS

Few coatings can be walked on only three hours after application. **With Baltoflake you can!**

FAST DRYING, FEWER COATS

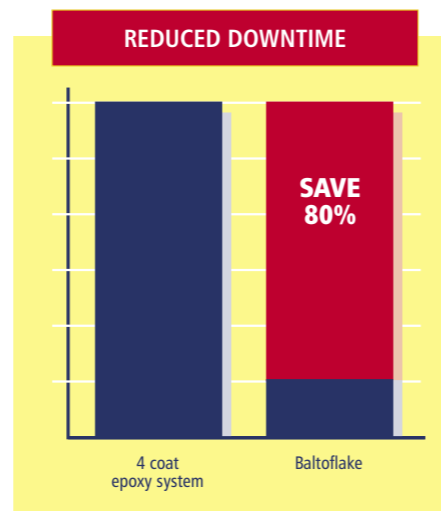
Want faster drying and fewer coats meaning less downtime? **With Baltoflake you can!**

SPRAY UP TO 1500 MICRONS IN A SINGLE COAT

Even fewer coatings can be sprayed in a single coat to give a dry film thickness up to 1500 microns on a vertical steel surface without sagging. **With Baltoflake you can!**

SOLVENT FREE

Baltoflake solvent free coatings create immense strength and protection against water, chemicals, solvents, abrasion or mechanical attack, outperforming traditional protection such as metallizing and epoxy coatings.



Baltoflake

Long-lasting protection underground

Baltoflake was chosen for protection of liquefied gas storage tanks built in France in 1989. The tank photographed here was ordered by SAR (Senegal) from TISSOT SA and is 52.6 metres long, 7.05 metres in diameter and has a capacity of 2000 cubic metres.



Protection against worst of the North Sea weather

The Britannia production platform was built in 1997 for the handling of gas and gas liquids before transportation via the Forties Pipeline system to St Fergus terminal in Scotland.

The estimated field life was 30 years, and given the difficulty of access to offshore sites and the need to virtually eliminate disruption by frequent and time consuming maintenance, it was essential that any protective coating should have an exceptionally long working life.

Baltoflake was chosen to protect major areas of the Britannia platform.



The Baltoflake Range

A choice of tough protection whatever your needs

Proven technology

Since 1979 Baltoflake and 1995 styrene free Baltoflake Ecolife have been leaders in providing the very strongest protection against the most aggressive chemical, mechanical and environmental attack in some of the most testing and hazardous environments in the world.

The glassflake reinforcement provides enormous strength, presenting a virtually impermeable barrier that keeps moisture and oxygen blocked. Added to this, Baltoflake's remarkable adhesion properties have resulted in a virtually maintenance free protective system that will last for the lifetime of most structures.

Proven successes throughout the world show the high competitive power of Baltoflake compared to all other known, well proven corrosion protection systems.

- Proven in the world's harshest environments
- Enormous strength
- Virtually impermeable barrier keeps moisture and oxygen blocked
- Remarkable adhesion properties
- Provides a virtually maintenance free system for the design life of most structures



Ultimate protection whatever man & nature can throw at them

Baltoflake

The original Baltoflake has more than 20 years' practical experience of providing exceptional protection of steel against abrasion and corrosion in the harshest environments. Where areas painted with ordinary advanced paint systems have been repainted one or several times Baltoflake is still in service giving the needed protection. Up to 1500 microns in a single coat can be applied. Because Baltoflake is fast curing and has short overcoating intervals, downtime is minimised. In those special cases where the very toughest protection is required, Baltoflake is unbeatable.



Here's a typical example of the benefits of Baltoflake's combination of speed, high levels of protection and minimum disruption.

Offshore platform North Sea.

Grit blasted during the night.

0500 hrs Netting on, helicopter landed.

0700 hrs Netting off, blast cleaning to Sa 2½ continues to completion.

1245 hrs Painting commenced. Weather sunny/cloudy, 14°C.

Steel temperature 17°C. Mixture 2 vol % catalyst.

1 coat 600 microns Baltoflake. Volume of paint used 160 litres.

1330 hrs First coat completed.

1415 hrs Commenced application of second coat. Carborex 20 grit sprinkled on 600 microns coat. Volume of paint used 160 litres.

1500hrs Operation completed.

1630hrs Surface dry to walk on. Netting on.

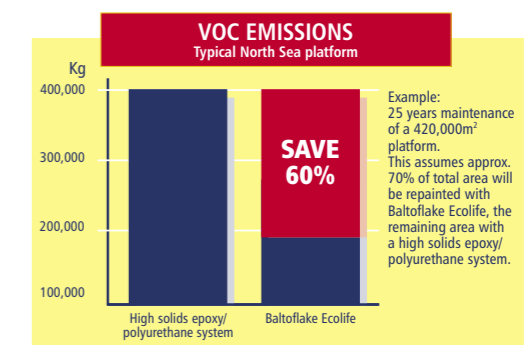
1800hrs Helicopter landed.

Baltoflake S2000

The latest product in the Baltoflake range of products. Baltoflake S2000 is built on the well proven technology of specially formulated polyester with unique glassflake reinforcement having built an enviable record of providing exceptional protection of steel against abrasion and corrosion in the harshest environments. Baltoflake S2000 gives a smooth and durable surface and can be applied up to 1500 microns in a single coat – one coat and the job is finished. A well proven system is two coats, 750 microns each. Because Baltoflake S2000 is also fast curing, application is fast and downtime is minimised.

Baltoflake Ecolife

Styrene free Baltoflake Ecolife provides all the advantages of Baltoflake with the added benefit of less odour and a reduction in VOC emissions of approximately 60% over a 25 year lifetime when compared with epoxy systems. Baltoflake Ecolife cures even faster than Baltoflake and can be used down to 5°C. Maximum overcoating time is 2 weeks.



Baltoflake and Baltoflake Ecolife
Two of a number of Jotun paint systems tested and prequalified to NORSOK M-501 standard



With the NORSOK Standards Norwegian authorities and oil companies aim to reduce the overall cost level for offshore field development by standardising a number of disciplines. To verify the durability of the various coating systems, the NORSOK M-501 specification describes a set of pre-qualification tests to be carried out by an independent test laboratory with very specific and strict acceptance criteria.



With Jotun's Multicolor Industry tinting system Baltoflake products will match your specific colour requirements ensuring what is well protected looks cosmetically just right too! The Multicolor Industry tinting system provides a wide range of colours, whatever volumes needed, without time-consuming in-factory production.

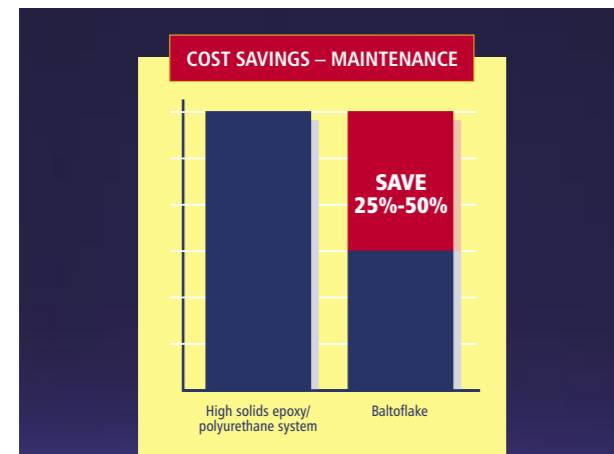
The Baltoflake Range

Saves up to 50% on maintenance costs.
Lower investment. Higher return

Because Baltoflake cures quickly, a full protection system can be completed in a single day. The area coated can be used within a few hours, meaning less downtime and substantial cost savings at maintenance. Overall, maintenance costs can show a saving of up to 50% compared with a good epoxy system!

Investment in Baltoflake provides a higher return than lower cost coatings. Life Cycle Cost (LCC) analysis where taking into account all costs incurred over the lifetime of the project or construction, also concludes that "Cheap paint is expensive to maintain." Then all cost elements at new construction stage and each maintenance interval are taken into consideration, including scaffolding, surface pre-treatment, transport, application, coating material etc.

This means Baltoflake provides you with a higher return on your corrosion protection investment.



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Protecting one of the world's largest FPSOs

In 1998 the FPSO Schiehallion was built at the yard Harland and Wolff in Ireland. The vessel is operating at the Schiehallion field located in the North Sea west of Scotland. At that time the biggest FPSO in the world, being 246 metres long (dead weight 154,000 tonnes). The design life of the vessel was 25 years in operation and the fatigue life 50 years. A system of 1500 microns Baltoflake was chosen for main deck, heavy wear areas, hull, splash zones and outside bulwark.



Baltoflake

Protecting pipe piles at Malaysian jetty

This jetty built in 1996 by Ethylene (Malaysia) Sdn Bhd was the first, but not the last one, where Baltoflake was chosen as the main corrosion protection system. Conditions in the South China Sea, high temperatures and salt sea water giving the highest corrosion rate, is a major challenge for protection of steel in splash zones.



Mission impossible...?

In 1992 it was due time for maintenance work on the 20 years old piles on the GDF (Gaz de FRANCE) NLG Terminal. The challenges were to remove old coal tar epoxy by blast cleaning, apply the new coating and do the job during tide level. What other coating than Baltoflake could have done the job? First inspection 1994; nothing to declare. Second inspection 2000; nothing to declare. Last inspection September 2004; General comment that everything is in very good condition. There is no flaking, no blistering, no cracking. Some rust is evident due to very strong rag effect. However – no repair required.

