



SteelKote
designed to endure



SteelKote
designed to endure

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Sustainable

25 years of protection

More with less

SteelKote provides long-term protection to the substrate under all atmospheric circumstances (in compliance with ISO 12944). Furthermore,

SteelKote technology achieves this with significantly less film-thickness than any other conventional system.



Protective

C1 - C5

Extreme corrosion and abrasion resistant

SteelKote guarantees extreme corrosion resistance under all atmospheric circumstances (in compliance with ISO 12944). SteelKote is very abrasion resistant and offers perfect protection to every corrosion class.



Impermeable

IM 1, 2 & 3

Impermeable and chemically resistant

Having a very compact structure, SteelKote technology provides a nearly impermeable coating system with superb adhesion, and high flexibility. Based on these properties SteelKote is fit for immersion in soil as well as in fresh, salty and brackish water.



35 years of coating
innovation results in
ultimate steel protection

SteelKote

SteelKote represents 35 years of innovation, resulting in coating systems for ultimate protection of steel. The SteelKote product portfolio has continuously been improved during the last three decades and has proven itself under the most severe atmospheric circumstances.

Ultimate steel protection

SteelKote systems protect steel over a very long period. It enables you to have intervals of up to 25 years for major maintenance. This sharply reduces total cost of ownership. Protection under extreme heavy atmospheric circumstances is covered with NORSOK certified SteelKote systems.

Reduced environmental impact

By providing high content of solids and the use of thin-film technology, SteelKote enables you to use less coating per square meter. This leads to a significant reduction in VOC emissions and costs per square meter.

Certification

The SteelKote coatings have endured the most intensive tests and practical trials. The test reports show high scores in the field of corrosion resistance, flexibility and UV-resistance.



SteelKote for steel structures

- + Ultimate protection of objects in corrosion classes up to and including C5
- + Less coating per m²
- + Reduced environmental impact



SteelKote for immersion

- + Ultimate protection of objects in soil as well as in fresh, salty and brackish water (IM 1, 2 & 3)
- + NORSOK M501 certified
- + Easy processing



SteelKote for machinery and equipment

- + Fast turnaround times in production processes
- + Optimal damage protection
- + Less coating per m²



SteelKote for infrastructure

- + Ultimate protection of objects in corrosion classes up to and including C5
- + Reduced environmental impact
- + Very long-lasting color and gloss retention

SteelKote coatings



SteelKote for offshore

- + Ultimate protection of objects in corrosion class C5 and immersion
- + NORSOK M501 certified
- + Less coating per m²

| | |
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Atmospheric circumstances



Corrosion protection

Our climate and atmospheric conditions are factors that cause corrosion of metal substrates. According to ISO 9223, atmospheric circumstances are divided into corrosion classes C1 through C5; a minimum and maximum corrosion speed is determined for each class. Baril Coatings offers the most sustainable SteelKote coating systems based on the corrosion class in the environment in which the object is applied. SteelKote systems can be tailor-made to meet the ideal protection for your products.





C5 Very high corrosivity up to 25 years protection
Outdoor application in coastal and off-shore areas with an aggressive atmosphere and high salt concentrations.

| C5M Medium 5-15 years | |
|---------------------------------|--------------|
| Layer 1 805 SteelKote EP ZN HS | 60µm |
| Layer 2 806 SteelKote EP Miox | 100µm |
| Layer 3 808 SteelKote PC HS UV+ | 60µm |
| Total | 220µm |

| C5M High >15 years | |
|---------------------------------|--------------|
| Layer 1 805 SteelKote EP ZN HS | 80µm |
| Layer 2 806 SteelKote EP Miox | 100µm |
| Layer 3 808 SteelKote PC HS UV+ | 80µm |
| Total | 260µm |

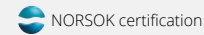
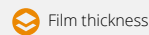
| C5M Extreme 25 years | | |
|---------------------------------|--|--------------|
| Layer 1 805 SteelKote EP ZN HS | | 100µm |
| Layer 2 806 SteelKote EP Miox | | 120µm |
| Layer 3 808 SteelKote PC HS UV+ | | 100µm |
| Total | | 320µm |

| C5i Medium 5-15 years | |
|------------------------------------|--------------|
| Layer 1 804 SteelKote EP Universal | 80µm |
| Layer 2 804 SteelKote EP Universal | 80µm |
| Layer 3 808 SteelKote PC HS UV+ | 60µm |
| Total | 220µm |

| C5i High >15 years | | |
|------------------------------------|--|--------------|
| Layer 1 804 SteelKote EP Universal | | 80µm |
| Layer 2 804 SteelKote EP Universal | | 100µm |
| Layer 3 808 SteelKote PC HS UV+ | | 80µm |
| Total | | 260µm |

| C5i Extreme 25 years | |
|------------------------------------|--------------|
| Layer 1 804 SteelKote EP Universal | 100µm |
| Layer 2 804 SteelKote EP Universal | 120µm |
| Layer 3 808 SteelKote PC HS UV+ | 100µm |
| Total | 320µm |


Life span is indicative. This may differ depending on application and circumstances.






C4

C4 High corrosivity up to 25 years protection


Indoor application in an environment with high humidity and moderate pollution such as in chemical companies, swimming pools and ship docks. Outdoor application in industrial and coastal areas with moderate salt content and areas with high humidity and an aggressive atmosphere.


| C4 Medium 5-15 years |  |
|------------------------------------|---|
| Layer 1 804 SteelKote EP Universal | 100µm |
| Layer 2 808 SteelKote PC HS UV+ | 80µm |
| Total | 180µm |

| C4 High >15 years |  |
|------------------------------------|---|
| Layer 1 804 SteelKote EP Universal | 60µm |
| Layer 2 804 SteelKote EP Universal | 80µm |
| Layer 3 808 SteelKote PC HS UV+ | 60µm |
| Total | 200µm |

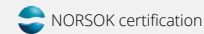
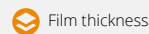
| C4 Extreme 25 years |  |  |
|------------------------------------|---|---|
| Layer 1 804 SteelKote EP Universal | | 80µm |
| Layer 2 804 SteelKote EP Universal | | 100µm |
| Layer 3 808 SteelKote PC HS UV+ | | 80µm |
| Total | | 260µm |

| C4 Galvanized Medium 5-15 years |  |
|-----------------------------------|---|
| Layer 1 806 SteelKote EP Miox | 80µm |
| Layer 2 808 SteelKote PC HS UV+ | 60µm |
| Total | 140µm |

| C4 Galvanized High >15 years |  |
|---------------------------------|---|
| Layer 1 806 SteelKote EP Miox | 80µm |
| Layer 2 808 SteelKote PC HS UV+ | 80µm |
| Total | 160µm |

| C4 Galvanized Extreme 25 years |  |
|----------------------------------|---|
| Layer 1 806 SteelKote EP Miox | 100µm |
| Layer 2 808 SteelKote PC HS UV+ | 100µm |
| Total | 200µm |

Life span is indicative. This may differ depending on application and circumstances.





C3 Average corrosivity up to 25 years protection

Indoor application in high humidity areas and low air pollution, such as food industry, laundries and breweries.
Outdoor application in cities and industrial areas with limited SO₂-pollution and low-salt coastal areas.



C1 & C2 (Very) low corrosiveness up to 25 years protection

Indoor application in non-heated buildings, such as storage facilities or sport halls, where light condensation can occur.
Outdoor application in dry rural areas with little air pollution.

| C2/C3 outside Medium 5-15 years | |
|-----------------------------------|--------------|
| Layer 1 802 SteelKote EP * | 60µm |
| Layer 2 807 SteelKote PC HS | 60µm |
| Total | 120µm |

| C2/C3 outside High >15 years | |
|--------------------------------|--------------|
| Layer 1 802 SteelKote EP * | 80µm |
| Layer 2 807 SteelKote PC HS | 60µm |
| Total | 140µm |

| C2/C3 outside Extreme 25 years | |
|----------------------------------|--------------|
| Layer 1 802 SteelKote EP * | 100µm |
| Layer 2 807 SteelKote PC HS | 80µm |
| Total | 180µm |

* For a higher durability the 803 SteelKote EP AC+ and 804 SteelKote EP Universal can be used as an alternative for 802 SteelKote EP.

| C1/C2 inside Medium 5-15 years | |
|----------------------------------|-------------|
| Layer 1 802 SteelKote EP * | 60µm |
| Total | 60µm |

| C1/C2 inside High >15 years | |
|-------------------------------|-------------|
| Layer 1 802 SteelKote EP * | 80µm |
| Total | 80µm |

| C1/C2 inside Extreme 25 years | |
|---------------------------------|--------------|
| Layer 1 802 SteelKote EP * | 100µm |
| Total | 100µm |

Life span is indicative. This may differ depending on application and circumstances.

Film thickness



NORSOK Systems

NORSOK is a standard for safeguarding the safety, added value and cost-effectiveness of conserved objects in the oil and gas industry. It specifies various test methods and acceptable values for various off-shore applications and environments.

NORSOK M501 System 7B | Extreme - up to 25 years



| | | |
|--------------|------------------------------|--------------|
| Layer 1 | 815 SteelKote IM Mastic AL | 225µm |
| Layer 2 | 816 SteelKote IM Mastic Miox | 225µm |
| Total | | 450µm |

(Immersion 1, 2 & 3)

NORSOK M501 System 7B | Extreme - up to 25 years



| | | |
|--------------|---------------------------|--------------|
| Layer 1 | 604 DualCure Iso Primer * | 80µm |
| Layer 2 | 814 SteelKote IM TR | 175µm |
| Layer 3 | 814 SteelKote IM TR | 175µm |
| Total | | 430µm |

(Immersion 1, 2 & 3)

* For the NORSOK M501 System 7B, 814 SteelKote IM TR is combined with 604 DualCure Iso Primer from the DualCure product line.

Life span is indicative. This may differ depending on application and circumstances.



801 SteelKote TC Primer

A universal high solids epoxy primer based on anti corrosive pigments and inert fillers. Easy to apply in high film thickness with excellent hiding power and anticorrosive properties.

FEATURES

Specially developed for application on new steel structures, where high performance protection has to be combined with fast processing, curing and reduction of solvent emissions. As a primer in multi layer systems on steel, galvanised and aluminum structures in an industrial environment. Formulated for speed of application and handling in industrial paint lines for OEM coating systems.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-----------------------------|
| Gloss: | Silky gloss |
| Volume solids: | 64 volume % (mixed product) |
| VOS: | ≤ 325 gr/ltr. |

Dry times

At a standard dry film thickness of 80 µm.
(method: BYK Drying recorder)

| | |
|-------------|-----------|
| Dust free: | 1,25 hour |
| Manageable: | 3 hour |
| Recoatable: | 2 hour |

802 SteelKote EP

A high solids epoxy coating based on anti corrosive pigments. Easy to apply in high film thickness with excellent hiding power. Developed as a primer or coating on steel, galvanised and aluminum structures.

FEATURES

As anti-corrosive primer/finish in color on blasted steel (Sa 2½ minimum) in industrial environments. Suitable for one-layer finishing inside buildings. Due to fast curing the coating can resist mechanical impact because of transport or application within a short time. On blasted substrates a minimum RA-value of 10-15 µm is advised.

PERFORMANCE AND PROPERTIES

| | |
|----------------|---------------------------|
| Gloss: | Silky gloss |
| Volume solids: | 68% (Depending on colour) |
| VOS: | ≤ 325 gr/ltr. |

Dry times

With Activator 911 at a standard dry film thickness of 80 µm. (method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free: | 2 hour |
| Manageable: | 6-8 hour |
| Recoatable: | 8 hour |

803 SteelKote EP AC+

A universal anti corrosion high solids epoxy coating, based on anti-corrosion pigments and inert fillers. Easy to apply in high film thickness with excellent buildon on sharp edges. 803 SteelKote EP AC+ is specially developed for applications on new steel structures, where high-grade protection has to be combined with fast curing and reduction of solvent emissions. It is a multipurpose epoxy primer/finish with extreme corrosion resistance.

FEATURES

- extreme adhesion;
- extreme barrier properties;
- extreme corrosion resistance;
- extreme flexibility;
- complies with COT 30.01/47.16;
- ready to spray;
- extreme hiding power;
- up to 18,5% higher application output;
- low temperature curing;
- for indoors application as a “one coat” system or as primer/coating in epoxy systems;
- resistant to water spill, various solvents and chemicals;
- for outside applications this coating should be over coated to prevent chalking.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Gloss: | Silky gloss (initial gloss) |
| Volume solids: | ± 70 volume % (mixed product) |
| VOS: | ≤ 290 gr/ltr. |

Dry times

At a standard dry film thickness of 80 µm.
(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free: | 2 hour |
| Manageable: | 6-8 hour |
| Recoatable: | 4 hour |

804 SteelKote EP Universal

A universal anti corrosive high solids epoxy primer/coating, based on anti-corrosion pigments and inert fillers. Easy to apply in high film thickness with excellent buildon on sharp edges. 804 SteelKote EP Universal is specially developed for application on new steel structures, under aggressive atmospheric circumstances and marine and offshore, where high-grade protection has to be combined with fast curing and reduction of solvent emissions. It is a Multipurpose epoxy primer/finish with extreme corrosion resistance (6 months Salt spray), where extremely high demands are set.

FEATURES

- extreme adhesion;
- extreme barrier properties;
- extreme corrosion resistance;
- extreme flexibility;
- certified according COT KO 16.76;
- for indoors application as a “one coat” system or as primer/coating in epoxy systems;
- resistant to water spill, various solvents and chemicals;
- for outside applications this coating should be over coated to prevent chalking.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Gloss: | Silky gloss |
| Volume solids: | ± 68 volume % (mixed product) |
| VOS: | ≤ 290 gr/ltr. |

Dry times

At a standard dry film thickness of 80 µm.
(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free: | 2 hour |
| Manageable: | 6-8 hour |
| Recoatable: | 8 hour |

805 SteelKote EP ZN HS

A high solids high build zinc rich epoxy primer with extreme corrosion control. Durable anticorrosive protection of Sa 2-2½ blasted steel in two component coating systems. Economical solutions: formulated for speed of application and handling. Application up to 125 µm dry film thickness without any risk on cracking or common zinc rich primer related defects.

FEATURES

- extreme adhesion;
- extreme barrier properties;
- extreme corrosion resistance;
- high build zinc rich primer, no mudcracking;
- excellent build-on on sharp edges;
- fast curing;
- ready to spray;
- highly flexible;
- alternative for galvanising and zinc silicate;
- certified according COT KO 16.53.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Gloss: | Matt |
| Volume solids: | ± 58 volume % (mixed product) |
| VOS: | ≤ 395 gr/ltr. |

Dry times

At a standard dry film thickness of 75 µm.
(method: BYK Drying recorder)

| | |
|-------------|------------|
| Dust free: | 25 minutes |
| Manageable: | 3 hour |
| Recoatable: | 3 hour |

806 SteelKote EP Miox

A universal anti corrosive high solids low aromatic EPA compliant epoxy coating, reinforced with micaceous iron ore. Applied as a single coat system it combines a high quality protection with easy application. Very good corrosion control and extreme sealing properties and mechanical strength. The product can be applied as a primer or coating on steel structures in aggressive atmospherical and industrial environments. Due to its high solids and low aromatic content it is highly recommended where emission of solvents need to be reduced and labour circumstances to be optimized. Very low odour impact.

FEATURES

- extreme adhesion;
- extreme barrier properties;
- extreme corrosion resistance;
- extreme flexibility;
- NORSOK approved M501 specifications in atmospherical and industrial systems;
- ready to spray at 70% volume solids;
- resistant to water spill, various solvents and chemicals;
- for outside applications this coating should be over coated to prevent chalking;
- high flash point creates more safety during storage and application;
- very low Aware-code;
- favourable working conditions;
- very low odour impact.

PERFORMANCE AND PROPERTIES

| | |
|----------------|---------------------------------|
| Gloss: | Silky gloss |
| Volume solids: | ca. 70 volume % (mixed product) |
| VOS: | ≤ 250 gr/ltr. |

Dry times

at a standard dry film thickness of 100 µm.
(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free | 2 hours |
| Manageable: | 16 hours |
| Recoatable: | 8 hours |

807 SteelKote PC HS

A high quality two component high solids polyester reinforced polyurethane coating with anti corrosive properties. Top coat in epoxy/polyurethane coating systems where high demands are set with regard to colour retention and mechanical strength. Pre-eminently suitable for application at chemical plants, offshore rigs, refineries, containers and constructions in various atmospherical and industrial environments (up to and including C5). As DTM coating applicable up to and including C2 conditions.

FEATURES

- compliant with 2004/42/EC cat B, sub d topcoats;
- wet on wet application;
- easy mixing ratio;
- extreme colour retention and mechanical strength.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Gloss |
| Volume solids: | ± 63 volume % (mixed product) |
| VOS: | ≤ 360 gr/ltr. |

Dry times

With Activator 924 at 55% RH and standard dry film thickness of 80 µm. (method: BYK Drying recorder)

| | |
|-------------|---------|
| Dust free | 2 hours |
| Manageable: | 8 hours |
| Recoatible: | 5 hours |

808 SteelKote PC HS UV+

A high quality two component high solids polyester reinforced polyurethane coating with excellent anti corrosive properties. Top coat in epoxy/polyurethane coating systems where high demands are set with regard to colour retention and mechanical strength. Pre-eminently suitable for application at chemical plants, offshore rigs, refineries, containers and constructions in various atmospherical and industrial environments (up to and including C5). Suitable as DTM coating.

FEATURES

- patented technology NL1034986, US 8889798, EP 2238210, CA 2713534;
- compliant with 2004/42/EC cat B, sub d topcoats;
- wet on wet application;
- easy mixing ratio;
- extreme colour retention and mechanical strength.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Semi Gloss |
| Volume solids: | ± 63 volume % (mixed product) |
| VOS: | ≤ 340 gr/ltr. |

Dry times

At 55% RH and standard dry film thickness of 80 µm . (method: BYK Drying recorder)

| | |
|-------------|-----------|
| Dust free | 1,5 hours |
| Manageable: | 10 hours |
| Recoatible: | 8 hours |

809 SteelKote PC SX UV+

High solids anti corrosive epoxy siloxane hybrid coating with extreme atmospherical durability and optimal mechanical impact resistance. Specially developed for durable protection of steel structures under high corrosive circumstances. Optimal reduction of solvent emissions during application, due to its high solids content. Finishing coat in two-coat system in combination with 805 SteelKote EP ZN HS as primer, providing an ideal system for protection of storage tanks (exterior), offshore platforms, ship building, bridges and various steel structures.

FEATURES

- heavy duty properties;
- super high solid;
- abrasion resistant;
- extreme mechanical properties;
- very high UV resistance;
- easy application;
- spill resistant to (sea) water and various chemicals and solvents;

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Full Gloss |
| Volume solids: | ± 70 volume % (mixed product) |
| VOS: | ≤ 255 gr/ltr. |

Dry times

At 55% RH and standard dry film thickness of 120 µm .
(method: BYK Drying recorder)

| | |
|-------------|---------|
| Dust free | 4 hours |
| Manageable: | 8 hours |
| Recoatible: | 8 hours |

817 SteelKote PU Primer Surfacer HS

Matt high solids two component polyurethane primer/surfacer.

FEATURES

As a fast drying surfacer on pre-treated ferrous and nonferrous substrates. Specially developed for speed of application on a variety of substrates with fast processing and handling. Perfect suitability for industrial application for OEM, ACE, commercial vehicles, foundries, etc. in combination with PoluRan topcoats.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Matt |
| Volume solids: | ± 50 volume % (mixed product) |
| VOS: | ≤ 457 gr/ltr. |

Dry times

With Activator 903 at 55% RH and at a standard dry film thickness of 80 µm.

| | |
|-------------|-----------------------------------|
| Dust free | 30 minutes |
| Manageable: | 2 hours |
| Recoatible: | 2 hours (maximum interval 7 days) |

810 SteelKote PU Finish

A semi gloss high solids two component polyurethane finish based on hydroxy acrylate and aliphatic isocyanate.

FEATURES

Topcoat in epoxy and polyurethane coating systems for applications where high demands are set with respect to colour and gloss retention, resistance to chemicals and mechanical properties. Due to aesthetic properties, preeminently suitable for application on sendzimir zinc-coated substrates, and industrial objects as machinery, containers, trailers, agricultural equipment, etc.

PERFORMANCE AND PROPERTIES

Gloss: Semi gloss
Volume solids: ca. 56 volume % (mixed product)
VOS: ≤ 410 gr/ltr.

Dry times

At 55% RH and standard dry film thickness of 120 µm .

(method: BYK Drying recorder)

Dust free 1 hours
Manageable: 6 hours
Recoatible: 8 hours

811 SteelKote PU Finish 30 UV+

A silky gloss high solids two component polyurethane finish based on hydroxy acrylate and aliphatic isocyanate.

FEATURES

Topcoat in epoxy and polyurethane coating systems for applications where high demands are set with respect to colour and gloss retention, resistance to chemicals and mechanical properties. Pre-eminently suitable for application on sendzimir zincoated substrates, and industrial objects as machinery, containers, trailers, agricultural equipment, etc.

PERFORMANCE AND PROPERTIES

Gloss: Silky gloss
Volume solids: ca. 56 volume % (mixed product)
VOS: ≤ 430 gr/ltr.

Dry times

At 55% RH and standard dry film thickness of 120 µm .

(method: BYK Drying recorder)

Dust free 1 hours
Manageable: 6 hours
Recoatible: 8 hours

812 SteelKote PU Finish 60 UV+

A semi gloss high solids two component polyurethane finish based on hydroxy acrylate and aliphatic isocyanate.

FEATURES

Topcoat in epoxy and polyurethane coating systems for applications where high demands are set with respect to colour and gloss retention, resistance to chemicals and mechanical properties. Due to good aesthetic properties, pre-eminently suitable for application on sendzimir zinccoated substrates, and industrial objects as machinery, containers, trailers, agricultural equipment, etc.

PERFORMANCE AND PROPERTIES

| | |
|----------------|---------------------------------|
| Gloss: | Semi gloss |
| Volume solids: | ca. 56 volume % (mixed product) |
| VOS: | ≤ 420 gr/ltr. |

Dry times

| | |
|---|---------|
| With Activator 903 at a standard dry film thickness of 80 µm. (method: BYK Drying recorder) | |
| Dust free | 1 hours |
| Manageable: | 6 hours |
| Recoatable: | 8 hours |

813 SteelKote PU Finish 90 UV+

A high gloss high solids two component polyurethane finish based on hydroxy acrylate and aliphatic isocyanate.

FEATURES

Topcoat in epoxy and polyurethane coating systems for applications where high demands are set with respect to colour and gloss retention, resistance to chemicals and mechanical properties. Pre-eminently suitable for application on sendzimir zinccoated substrates, and industrial objects as machinery, containers, trailers, agricultural equipment, etc.

PERFORMANCE AND PROPERTIES

| | |
|----------------|---------------------------------|
| Gloss: | Full gloss |
| Volume solids: | ca. 56 volume % (mixed product) |
| VOS: | ≤ 420 gr/ltr. |

Dry times

| | |
|---|----------|
| With Activator 903 at a standard dry film thickness of 80 µm. (method: BYK Drying recorder) | |
| Dust free | 1 hours |
| Manageable: | 4s hours |
| Recoatable: | 8 hours |

818 SteelKote Pacific 90 UV+

A medium solids two component full gloss "state of the art" high build polyurethane topcoat based on hydroxyl acrylate and aliphatic isocyanate. Sustainable finish, formulated specifically for protection under critical climate and marine circumstances. Anti-Graffiti properties are obtained by applying a special curing agent.

Features

For applications where high requirements are set for colour and gloss retention and long maintenance intervals. Balance in surface hardness and flexibility gives high abrasion resistance and low dirt uptake. Easy to clean.

Performance and properties

Gloss: Full gloss
Volume solids: Ca. 54 volume % (Mixed product)
VOC: ≤ 435 gr/ltr.

Dry times

Dry times: at a standard dry film thickness of 50 µm (method: BYK Drying recorder).

| | 5°C | 10°C | 20°C | 30°C |
|-------------|-----------|----------|---------|-----------|
| Dust free: | 1,5 hours | 1 hours | 30 min | 20 min. |
| Manageable: | 8 hours | 4 hours | 2 hours | 1,5 hours |
| Recoatable: | 24 hours | 12 hours | 6 hours | 4 hours |

819 SteelKote PU AC

A high quality economic two component high solids polyurethane coating with anti corrosive properties. Top coat in epoxy/polyurethane coating systems where high demands are set with regard to colour retention and mechanical strength. Suitable for application at constructions in various atmospherical and industrial environments. As DTM coating applicable up to and including C2 conditions.

Features

- compliant with 2004/42/EC cat B, sub d topcoats;
- wet on wet application;
- easy mixing ratio;
- extreme colour retention and mechanical strength.

Performance and properties

Gloss: Silkygloss
Volume solids: ± 63 volume % (mixed product)
VOC: ≤ 350 gr/ltr.

Dry times

Dry times with Activator 903 at 55% RH and standard dry film thickness of 80 µm. (method: BYK Drying recorder)

| | 10°C | 20°C |
|-------------|----------|---------|
| Dust free: | 4 hours | 2 hours |
| Manageable: | 16 hours | 8 hours |
| Recoatable: | 10 hours | 5 hours |

846 SteelKote MC HS Zinc Primer

846 SteelKote MC HS Zinc Primer is a high build zinc rich primer on blasted steel, based on the DCC technology, providing extreme corrosion resistance and corrosion undercutting. 846 SteelKote MC HS Zinc Primer is formulated for ease of application. The characteristics enable low temperature cure and resistance to mud cracking at high film thickness. 846 SteelKote MC HS Zinc Primer offers extreme mechanical properties.

FEATURES

- high film build;
- cold cure;
- strong CO₂/VOC reduction;
- quick processing (application and assembling in one day) up to 40% cost reduction;
- >30 years durability in combination with DCC Top Coat;
- high mechanical strength;
- early assembly properties;
- beats galvanizing;

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Matt |
| Volume solids: | ± 66 volume % (mixed product) |
| VOS: | ≤ 300 gr/ltr. |

Dry times

at 75% RH and at a standard dry film thickness of 50µ m.
(method: BYK Drying recorder)

| | |
|-------------|---------|
| Dust free | 1 hours |
| Manageable: | 4 hours |
| Recoatible: | 3 days |

847 SteelKote MC AL Primer

One component moisture cure polyurethane primer/sealer and coating on various metal substrates. Primer/sealer for anti corrosive protection of blasted steel (Sa 2-2½) cold rolled steel, pre-treated aluminum and galvanised substrates. Primer on ST 2-3 and hand derusted steel surfaces and sealer on old one and two component coating systems.

FEATURES

- moisture cure technology;
- unique maintenance coating;
- all weather application;
- brush, roll and spray application;
- thin film technology, good penetrating and sealing properties;
- heat resistant up to 180°C;
- up to 50 years proven Fortis Coatings technology.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Semi gloss |
| Volume solids: | ± 48 volume % (mixed product) |
| VOS: | ≤ 460 gr/ltr. |

Dry times

at 75% RH and at a standard dry film thickness of 50µ m.
(method: BYK Drying recorder)

| | |
|-------------|---------|
| Dust free | 1 hours |
| Manageable: | 4 hours |
| Recoatible: | 6 hours |

848 SteelKote MC HS Primer

One component anti corrosion moisture cure polyurethane primer for application in high humidity (damp surface) and at low temperatures. High performance/thin film technology. High flexibility.

FEATURES

- moisture cured technology;
- perfect maintenance primer;
- applicable on slightly moist substrates;
- all-season application;
- high corrosion resistance;
- wear-resistant;
- high mechanical strength;
- good curing at low temperatures;
- short application times due to rapid curing;
- recoatable with all SteelKote topcoats;
- resistant to marine and waste water, crude oil and various chemicals and solvents.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Matt |
| Volume solids: | ± 80 volume % (mixed product) |
| VOS: | ≤ 180 gr/ltr. |

Dry times

At 50% RH and at a standard dry film thickness of 60µ m.
(method: BYK Drying recorder)

| | |
|-------------|-----------------------|
| Dust free | 30 minutes |
| Manageable: | 3 hours |
| Recoatable: | 3 hours (max. 5 days) |

849 SteelKote MC HS Midcoat

One component anti corrosion moisture cure polyurethane coating for application in high humidity (damp surface) and at low temperatures. High performance/thin film technology. High flexibility.

FEATURES

- moisture cured technology;
- perfect maintenance coating;
- applicable on slightly moist substrates;
- all-season application;
- very good barrier properties;
- wear-resistant;
- high mechanical strength;
- good curing at low temperatures;
- short application times due to rapid curing;
- recoatable with all SteelKote topcoats;
- resistant to marine and waste water, crude oil and various chemicals and solvents.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Matt |
| Volume solids: | ± 80 volume % (mixed product) |
| VOS: | ≤ 180 gr/ltr. |

Dry times

At 50% RH and at a standard dry film thickness of 60µ m.
(method: BYK Drying recorder)

| | |
|-------------|-----------------------|
| Dust free | 30 minutes |
| Manageable: | 3 hours |
| Recoatable: | 3 hours (max. 5 days) |

850 SteelKote MC Barrier Black

One component high solids moisture cure polyurethane coating, for application in high humidity (damp surface) and at low temperatures. High performance/thin film technology. High quality tar free DTM coating on pre-treated steel. In combination with 248 PoluRan MC Primecoat it provides excellent tight and impenetrable protection in aggressive environments. Specially developed to replace coal tar epoxies, in immersion conditions, IM-1, IM-2 and IM-3.

FEATURES

High performance/thin film technology. High quality tar free DTM coating on pre-treated steel. In combination with 248 PoluRan MC Primecoat it provides excellent tight and impenetrable protection in aggressive environments. Specially developed to replace coal tar epoxies, in immersion conditions, IM-1, IM-2 and IM-3.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Matt |
| Volume solids: | ± 58 volume % (mixed product) |
| VOS: | ≤ 380 gr/ltr. |

Dry times

At 50% RH and at a standard dry film thickness of 80µ m.
(method: BYK Drying recorder)

| | |
|-------------|-----------------------------------|
| Dust free | 3 hours |
| Manageable: | 6 hours |
| Recoatible: | 8 hours (maximum interval 5 days) |

814 SteelKote IM TR

A universal anti corrosive high solids tar replacement epoxy coating, reinforced with micaceous iron oxide. Combines high quality protection and easy application. 814 SteelKote IM TR is a universal primer/coating for durable protection of steel structures in aggressive atmospheric and industrial environments, as well as for immersion in soil and (sea-) water (Im 1, 2, 3).

FEATURES

- extreme adhesion;
- extreme barrier properties;
- extreme corrosion resistance;
- extreme flexibility;
- high film build flexible epoxy immersion coating (extreme impermeability; diffusion resistance number $\mu >90.000$);
- good water and chemical resistance and high mechanical strength;
- also suitable for immersion;
- applicable at 5°C and 90% relative humidity;
- 814 SteelKote IM TR is certified according COT KO 24.34.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Eggshell gloss |
| Volume solids: | ± 70 volume % (mixed product) |
| VOS: | ≤ 250 gr/ltr. |

Dry times

At 50% RH and at a standard dry film thickness of 60µ m.
(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free | 2 hours |
| Manageable: | 16 hours |
| Recoatible: | 8 hours |

815 SteelKote IM Mastic AL

A surface tolerant, biobased two component, EPA compliant anti corrosive aluminum mastic primer/coating, based on special epoxy resins and a modified phenalkamine curing agent. 815 SteelKote IM Mastic AL is specially developed as a surface tolerant maintenance primer/coating on ST-2 cleaned surfaces, hand prepared steel and old paint systems, as well as Sa2½ blasted substrates. Early water resistance and good wetting properties enables application at high relative humidity (90%, damp surface). Recoatable with itself, epoxy and polyurethane coatings, vinyl and alkyd products. A very tight, impenetrable coating, resistant to abrasion, chemical impact and water immersion, even as a single coat system.

FEATURES

- biobased mastic epoxy;
- heavy duty properties;
- NORSOK approved;
- immersion qualified;
- ocean proofed; splash zone resistant;
- super high solid;
- abrasion resistant;
- extreme mechanical properties;
- easy application;
- good curing at low temperatures (5°C);
- easy application by airless as well as by brush/roller;
- suitable for application up to and including C5-I, C5-M, IM-1, IM-2, IM-3 environments according to ISO 12944;
- for outside applications this coating should be over coated to prevent chalking;
- in combination with 16738 UniCure Miox, Norsok M501 system 7 (immersion) certified.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Eggshell gloss |
| Volume solids: | ± 80 volume % (mixed product) |
| VOS: | ≤ 160 gr/ltr. |

Dry times

At 50% RH and standard dry film thickness of 250 µm .

(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free | 4 hours |
| Manageable: | 16 hours |
| Recoatable: | 8 hours |

816 SteelKote IM Mastic Miox

A surface tolerant anti corrosive biobased two component coating based on special epoxy resins and a modified phenalkamine curing agent. 816 SteelKote IM Mastic Miox is specially developed as a surface tolerant maintenance sealer/coating on ST-2 cleaned surfaces, hand prepared steel and old paint systems, as well as Sa2½ blasted substrates. Early water resistance and good wetting enables application at high relative humidity (90%, damp surface). Recoatable with itself, epoxy and polyurethane coatings, vinyl and alkyd products. A very tight, impenetrable coating, resistant to abrasion, chemical impact and water immersion, even as a single coat system.

FEATURES

- biobased mastic epoxy;
- heavy duty properties;
- NORSOK approved;
- immersion qualified;
- ocean proofed;
- splash zone resistant;
- super high solid;
- abrasion resistant;
- extreme mechanical properties;
- easy application;
- good curing at low temperatures (5°C);
- easy application by airless as well as by brush/roller;
- suitable for application up to and including C5-I, C5-M, IM-1, IM-2, IM-3 environments according to ISO 12944;
- for outside applications this coating should be over coated to prevent chalking;
- in combination with 16638 UniCure AL, Norsok M501 system 7 (immersion) certified.

PERFORMANCE AND PROPERTIES

| | |
|----------------|-------------------------------|
| Glans: | Eggshell gloss |
| Volume solids: | ± 82 volume % (mixed product) |
| VOS: | ≤ 160 gr/ltr. |

Dry times

At 50% RH and standard dry film thickness of 250 µm .

(method: BYK Drying recorder)

| | |
|-------------|----------|
| Dust free | 4 hours |
| Manageable: | 16 hours |
| Recoatable: | 8 hours |



Baril Coatings strives to minimise the environmental impact of its products and operations, and set standards worldwide for sustainability and corporate citizenship. All our employees have the same ambition for achieving this: customised solutions that perfectly match the client's needs and that have respect for the living environment. Baril Coatings develops and produces high-quality and long-lasting industrial coatings and construction paints. We supply these products to steel structures, public utilities construction, OEM, metal industry, marine and offshore industry, and painting contractors.

Innovative and sustainable

We challenge ourselves to perform a little bit better every day. The result is that our clients can always count on new, flexible, innovative and sustainable solutions for extreme outdoor durability and corrosion protection.

More with less

Baril Coatings has a mission: "We want to assist clients with protecting their objects in the long term and at the same time, reducing their global footprint. Our ambition is to achieve more with less."

Long-lasting, sustainable and responsible protection

Baril Coatings wants to provide the best coating for a wide range of applications and we want this to be as sustainable as possible. Baril Coatings' production is carried out with responsibility and at low emissions by deploying bio-based raw materials, 100% sustainable energy (solar panels combined with wind energy) and by limiting waste through recycling and separating waste. We reduce the use of hazardous substances, endeavour to achieve cleaner factories and safe workplaces, and we drive electric and hybrid cars. Our products are also more sustainable. Many products are made of bio-based and/or water-based raw materials and they provide long-lasting protection for every type of substrate. As a producer, we are aware of our responsibility. Everything that we put into this, we want to retrieve. We invest heavily in new technologies to achieve emission-free production. Any emission is neutralised by means of ionisation technology. Zero emission is our ambition.

Worldwide

In 1982, Baril Coatings started its production of paints and coatings. By now, the company has become a true developer of innovative and sustainable solutions and is active worldwide having production plants in the Netherlands, the USA and Poland.



Sustainable Coating Solutions



**SteelKote is a brand of
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