



Hempel | Press Coverage Report | 11/03/2020

28/02/2020

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In just eight years, worldwide coating manufacturer Hempel has painted 20,000 mining containers for Intermodal Solutions Group (ISG). The milestone 20,000th coating was completed in January 2020. ISG is a global supplier of container rotation systems and container solutions for the mining, grain and ship loading industries. During their eight-year partnership with Hempel more than 1.5 million litres of paint has been used to protect the containers against the highly abrasive and corrosive materials they carry as well as the external environment.

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Hempel's extensive experience of delivering high-quality coatings solutions encouraged ISG to select the company to create a unique coating system to protect its assets against the harsh and abrasive operating environment.

Garry Pinder, Managing Director of ISG-Pit to Ship Solutions said:

"We have been working successfully with Hempel for many years and appreciate the high-level of service, top quality coatings and experience the company offers. Our containers are designed to operate in challenging conditions and require a coating system that is robust enough to withstand these harsh environments. We were delighted with how efficiently our containers were coated and the high-quality protection that was the result."

Kim Scheibel, Group Segment Director, Container at Hempel A/S said:

"At Hempel, we understand that prolonging the life of an asset and reducing maintenance costs are key requirements for many of our customers. Designing a coating system for such heavy usage containers was not a standard job. We are very proud to have worked alongside ISG's team for so many years and to have protected 20,000 of their units. Our coatings have performed beyond all expectations."

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"When starting this project, we realised that interior surfaces were not drying and curing quickly enough so we needed to use electric ventilators. But we quickly found an alternative solution which has now become standard practice. We simply turn the containers on their side or upside down when we apply the coating. This allows the high solids to cure quickly and without the need for ventilators – saving time and significant costs," Scheibel added.

Interior paint solutions used include Hempadur Multi-Strength 45751 and Hempadur Conterior 47751, both self-priming, high-solid, epoxy coatings which cure to a highly abrasion and corrosion resistant coating.

Externally, the traditional well-functioning three-coat system consisting of Hempatex Hi-Build 46410, a high-build acrylic topcoat was used to provide resistance to saltwater, splashes of aliphatic hydrocarbons, animal and vegetable oils. Also used externally was Hempadur Primer 1530C, an epoxy mid-coat containing zinc phosphate as corrosion inhibiting pigment, and Hempadur Zinc 1536C, a zinc-rich epoxy primer that cures to a hard wearing and highly weather-resistant coating.

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Coatings World | 28/02/2020

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BREAKING NEWS

Hempel Coatings Protect 20,000+ ISG Containers

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ISG is a global supplier of container rotation systems and container solutions for the mining, grain and ship loading industries.

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FEBRUARY 28, 2020

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Photo courtesy of Intermodal Solutions Group (ISG)

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in International Shipping News 29/02/2020

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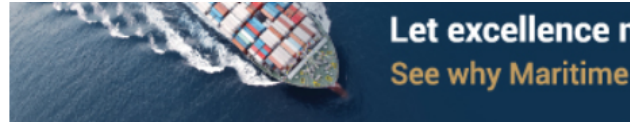
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By **Baibhav Mishra** - March 2, 2020

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As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the protective, marine, decorative, container and yacht industries. Hempel factories, R&D centres and stock points are established in every region.

Maritime Professionals | 05/03/2020

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MARPRO Team

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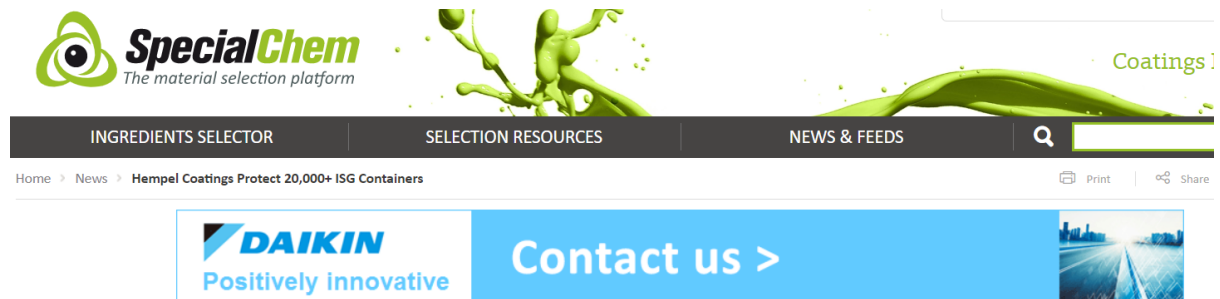
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SpecialChem Coatings | 05/03/2020

<https://coatings.specialchem.com/news/industry-news/hempel-coatings-protect-20000-isg-containers-000221064>



Industry News

Hempel's Acrylic & Epoxy Coatings Protect 20,000+ ISG Containers from Saltwater

Published on 2020-03-05. Author : SpecialChem

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Interior paint solutions used include Hempadur Multi-Strength 45751 and Hempadur Conterior 47751, both self-priming, high-solid, epoxy coatings which cure to a highly abrasion and corrosion resistant coating.

Externally, the traditional well-functioning three-coat system consisting of Hempatex Hi-Build 46410, a high-build acrylic topcoat was used to provide resistance to saltwater, splashes of aliphatic hydrocarbons, animal and vegetable oils.

Also used externally was Hempadur Primer 1530C, an epoxy mid-coat containing zinc phosphate as corrosion inhibiting pigment, and Hempadur Zinc 1536C, a zinc-rich epoxy primer that cures to a hard wearing and highly weather-resistant coating.

<https://www.pcimag.com/articles/107172-hempel-coatings-help-protect-isg-containers>



Hempel Coatings Help Protect ISG Containers

LYNGBY, Denmark — In just eight years, worldwide coating manufacturer Hempel has painted 20,000 mining containers for Intermodal Solutions Group (ISG). The milestone 20,000th coating was completed in January 2020. ISG is a global supplier of container rotation systems and container solutions for the mining, grain and ship-loading industries. During the eight-year partnership with Hempel more than 1.5 million liters of paint has been used to protect the containers against the abrasive and corrosive materials they carry as well as the external environment.

ISG's patented maritime and mining containers are have a patented tippler operating system that rotates and tips the container to empty out the material being carried. This means they generally only need to be loaded and unloaded once to transport copper/nickel concentrate, iron ore, minerals and other commodities from source to ship. Previously, material was loaded and unloaded several times during transit to the final destination.

Hempel's experience of delivering high-quality coatings solutions encouraged ISG to select the company to create a unique coating system to protect its assets against the harsh and abrasive operating environment.

Garry Pinder, Managing Director of ISG-Pit to Ship Solutions, said, "We have been working successfully with Hempel for many years and appreciate the high-level of service, top-quality coatings and experience the company offers. Our containers are designed to operate in challenging conditions and require a coating system that is robust enough to withstand these harsh environments. We were delighted with how efficiently our containers were coated and the high-quality protection that was the result."

Various unique challenges were overcome during the coating process. ISG operates globally and so Hempel's coatings had to perform in all geographical and environmental conditions. The units themselves are constructed of relatively thin steel and this caused an issue when preparing the surface prior to painting.



“When starting this project, we realised that interior surfaces were not drying and curing quickly enough so we needed to use electric ventilators. But we quickly found an alternative solution, which has now become standard practice. We simply turn the containers on their side or upside down when we apply the coating. This allows the high solids to cure quickly and without the need for ventilators – saving time and significant costs,” said Kim Scheibel, Group Segment Director, Container at Hempel A/S.

Interior paint solutions used include Hempadur Multi-Strength 45751 and Hempadur Conterior 47751, both self-priming, high-solid, epoxy coatings that cure to a highly abrasion and corrosion resistant coating.



Externally, a three-coat system consisting of Hempatex Hi-Build 46410, a high-build acrylic topcoat was used to provide resistance to saltwater, splashes of aliphatic hydrocarbons, animal and vegetable oils. Hempadur Primer 1530C, an epoxy mid-coat containing zinc phosphate as corrosion inhibiting pigment, and Hempadur Zinc 1536C, a zinc-rich epoxy primer that cures to a hard-wearing and highly weather-resistant coating, were also used externally.

Rynekfarb.pl | 10/03/2020

<http://www.rynekfarb.pl/juz-20-000-kontenerow-isg-z-farbami-hempel/>



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Już 20 000 kontenerów ISG z farbami Hempel


10 marca 2020 Autor: Anna Maślanka

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W ciągu zaledwie ośmiu lat Hempel zabezpieczył swoimi farbami 20 000 kontenerów dla Intermodal Solutions Group (ISG). ISG to światowej klasy producent obrotowych systemów kontenerowych dla górnictwa i innych branż.



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W ciągu zaledwie ośmiu lat Hempel zabezpieczył swoimi farbami 20 000 kontenerów dla Intermodal Solutions Group (ISG). ISG to światowej klasy producent obrotowych systemów kontenerowych dla górnictwa i innych branż.

Fot. arch. ISG

1,5 miliona litrów – tyle farby Hempel wykorzystano do zabezpieczenia kontenerów ISG w trakcie ośmiu lat współpracy. Służą one do ochrony kontenerów przed ściernym i korozyjnym działaniem przechowywanych materiałów, ale również przed szkodliwym wpływem środowiska zewnętrznego.

Niestandardowe zadanie

Firma ISG opatentowała specjalny system obrotowy, służący do podnoszenia i obracania kontenerów, aby opróżnić je z zawartości. Oznacza to, że w praktyce muszą być załadowane i rozładowane tylko raz, a nie, jak w przypadku wcześniej używanych systemów, kilkakrotnie przed dostarczeniem ładunku do ostatecznego miejsca przeznaczenia.

Farby Hempel sprawdziły się doskonale jako zabezpieczenie powierzchni kontenerów przed uszkodzeniami mechanicznymi i chemicznymi. Jak mówi Garry Pinder, dyrektor zarządzający ISG-Pit to Ship Solutions:

Współpracujemy z firmą Hempel od lat i doceniamy wysoką jakość usług oraz produktów, jaką oferuje, a także jej doświadczenie. Nasze kontenery są stworzone do funkcjonowania w trudnych warunkach i potrzebują powłoki na tyle wytrzymałej, by sobie z nimi poradziła. Jesteśmy zachwyceni tym, w jak efektywny i skuteczny sposób zabezpieczone zostały nasze kontenery.

Kim Scheibel, Group Segment Director w dziale Container w firmie Hempel, dodaje, że zaprojektowanie powłoki malarskiej dla kontenerów o tego typu przeznaczeniu nie było standardowym zadaniem. Tym bardziej Hempel cieszy się, że jego farby sprostały wyzwaniu.

(Nie)spodziewane wyzwania

A wyzwań naprawdę było sporo. ISG działa na całym świecie, produkty zaproponowane przez Hempel musiały więc radzić sobie w każdych warunkach klimatycznych. Jak zdradza Scheibel, pojawiły się także inne problemy:

Na początku projektu zorientowaliśmy się, że na wewnętrznych powierzchniach kontenerów schnięcie farby i sieciowanie nie przebiega tak szybko, jak powinno, zaczęliśmy więc stosować wentylatory elektryczne. Szybko jednak znaleźliśmy alternatywne rozwiązanie, które stosujemy już standardowo – po prostu obracamy kontener na bok lub do góry nogami aplikując powłokę. To zapewnia odpowiednio szybkie sieciowanie bez potrzeby użycia wentylatorów, zmniejszając koszt całej operacji.

Na kontenerach ISG stosowane są produkty Hempadur Multi-Strength 45751 oraz Hempadur Conterior 47751 – [farby epoksydowe](#) o wysokiej zawartości części stałych. Wykazują bardzo dobrą odporność na ścieranie oraz na korozję. Oprócz tego na zewnątrz aplikowany jest system, w skład którego wchodzi:

powłoka nawierzchniowa Hempatex Hi-Build 46410 świetnie chroniąca przed wodą morską i olejami, powłoka pośrednia Hempadur Primer 1530C, epoksydowa farba zawierająca pigment antykorozyjny – fosforan cynku,

epoksydowy podkład Hempadur Zinc 1536C, który po utwardzeniu tworzy bardzo wytrzymałą i odporną na warunki pogodowe powłokę.

Źródło: Hempel

Google translate:

Already 20,000 ISG containers with Hempel paints

March 10, 2020 By Anna Maślanka

In just eight years, Hempel secured 20,000 containers for Intermodal Solutions Group (ISG) with his paints. ISG is a world-class manufacturer of rotating container systems for mining and other industries.

Photo: Afp/Getty Images Arch. Isg

1.5 million liters – so much Hempel paint was used to secure ISG containers during eight years of cooperation. They are used to protect containers from abrasive and corrosive operation of stored materials, but also against the harmful effects of the external environment.

Custom task

ISG has patented a special rotary system for lifting and rotating containers to empty them from the contents. This means that in practice they must be loaded and discharged only once and not, as in the case of previously used systems, several times before delivery of the cargo to its final destination.

Hempel paints have proven themselves perfectly as a protection of container surfaces from mechanical and chemical damage. As Garry Pinder, Managing Director of ISG-Pit to Ship Solutions says:

We have been working with Hempel for years and appreciate the high quality of the services and products it offers, as well as its experience. Our containers are designed to operate in harsh environments and need a coating that is strong enough to deal with them. We are delighted in how our containers have been secured efficiently and efficiently.

Kim Scheibel, Group Segment Director at Container at Hempel, adds that designing a painting coating for containers of this type of purpose was not a standard task. All the more hempel is pleased that his paints have met the challenge.

(Un)expected challenges

And there were really quite a few challenges. ISG operates worldwide, so the products proposed by Hempel had to cope in all climatic conditions. As Scheibel reveals, there were other problems:

At the beginning of the project, we realized that on the inner surfaces of containers, drying the paint and networking is not going as fast as it should, so we started using electric fans. However, we quickly found an alternative solution that we already use as standard – we simply turn the container sideways or upside down applying the coating. This ensures fast networking without the need for fans, reducing the cost of the entire operation.

The ISG containers use Hempadur Multi-Strength 45751 and Hempadur Conterior 47751 – epoxy paints with a high solid content. They have very good abrasion and corrosion resistance. In addition, an external system is applied, which includes:

Hempatex Hi-Build 46410 topcoat for sea water and oils,

intermediate coating Hempadur Primer 1530C, epoxy paint containing anti-corrosion pigment – zinc phosphate,

Hempadur Zinc 1536C epoxy primer, which, after curing, creates a very durable and weather-resistant coating.