

Kingspan GreenGuard® XPS LG Customer Details

A Measured, Customer
Focused Approach to Market
Transformation



Kingspan Group's Planet Passionate Program



1billion

0%

100%

20%

100million

PET bottles
upcycled into
insulation
2025

Company Waste to
Landfill
by 2030

Net Zero Carbon
Manufacturing
by 2030

On-site generation
of renewable
energy
by 2030

Litres of rainwater
harvested
by 2030

New Regulations Are Coming

GreenGuard® XPS currently contains a zero Ozone Depletion Potential (ODP) blowing agent. New laws and regulations are being implemented to lower the Global Warming Potential (GWP) impact of the product.

- These new regulations are overall very positive and Kingspan is fully in support of this effort.
- Our approach is a measured and customer focused approach.

Our Goal

To Minimize Disruptions to our Partners

Our Partners

- Distribution
- Architects
- Contractors
- Consultants

A Measured and Customer Focused Approach

These regulations are being implemented in a state-by-state approach, and Canada.

Kingspan will be fully compliant when states implement their HFC regulations.

In this manner, we can *all* better manage the pricing, availability and inventory while still being responsive and meeting the needs of our customers and minimizing the disruptions.



The states of Maryland, Delaware and Virginia are planning to begin regulating HFCs on 7/1/2021.



What You Need To Know

Regulations

For All Partners

- California, Washington, Colorado, New York, New Jersey and Vermont will begin regulating HFCs on 1/1/2021.
- Regulations state that *“No person may sell, lease, rent, install, use, or manufacture in the State...” XPS Billets and Boardstock that contain HFC 134a as a blowing agent.*
- *All states allow the sales, import, distribution and installation of XPS products containing HFC blowing agent that are manufactured prior to 1/1/2020.*

Introducing the New Kingspan GreenGuard LG XPS Insulation Board Product Line

Kingspan is ready for this market transformation with the GreenGuard® LG XPS product line! “**LG**” stands for Low Global Warming Potential formulation.

The GreenGuard LG XPS product line will continue with our 25-year history of:

- The same green foam color
- The same high R-value of 5 per inch
- The same wide range of compressive strengths including 25, 40, 60 psi
- The same superior moisture resistance
- The same, yet updated, certifications and listings to include the LG product line for necessary compliance throughout the US & Canada

Introducing the New Kingspan GreenGuard LG XPS Insulation Board Product Line

Kingspan is ready for this market transformation with the GreenGuard® LG XPS product line! “**LG**” stands for Low Global Warming Potential formulation.

There are also improvements and changes:

- The new formulation will have a **GWP (Global Warming Potential) of less than 50!**
- The board face print will be blue!
- New literature specific to the LG product line with new product numbers – GG25-LG, GG40-LG, and GG60-LG. We believe these new product numbers will enhance the communications regarding which product a customer is requesting and expecting.
- New formulation will incorporate new pricing.

What You Need To Know

2 Types of Products
and Where You
Can Ship Them

For Distribution Partners

- All states allow the sales, import, distribution and installation of XPS products containing HFC blowing agent that are manufactured prior to 1/1/2021.
- GreenGuard® LG XPS products do not contain regulated HFCs so will be compliant to local regulation in all 50 states plus Canada.
- Kingspan will continue to supply HFC product into Canada throughout 2021.
- In the U.S., GreenGuard® regular products produced after 1/1/2021 can only be sold and shipped to the states that currently do not regulate HFCs. This also applies to distributors shipping products into regulated states.
- All GreenGuard® XPS (LG and Regular) boards are printed with a date code.

As the situation continues to evolve, Kingspan commits to our partners to help them manage these changes within their markets.



Product Differentiation – In Warehouse

Packaging

XPS LG products have clear labelling to identify manufacturing date and product category:



Bright GREEN label is for XPS **LG** Products



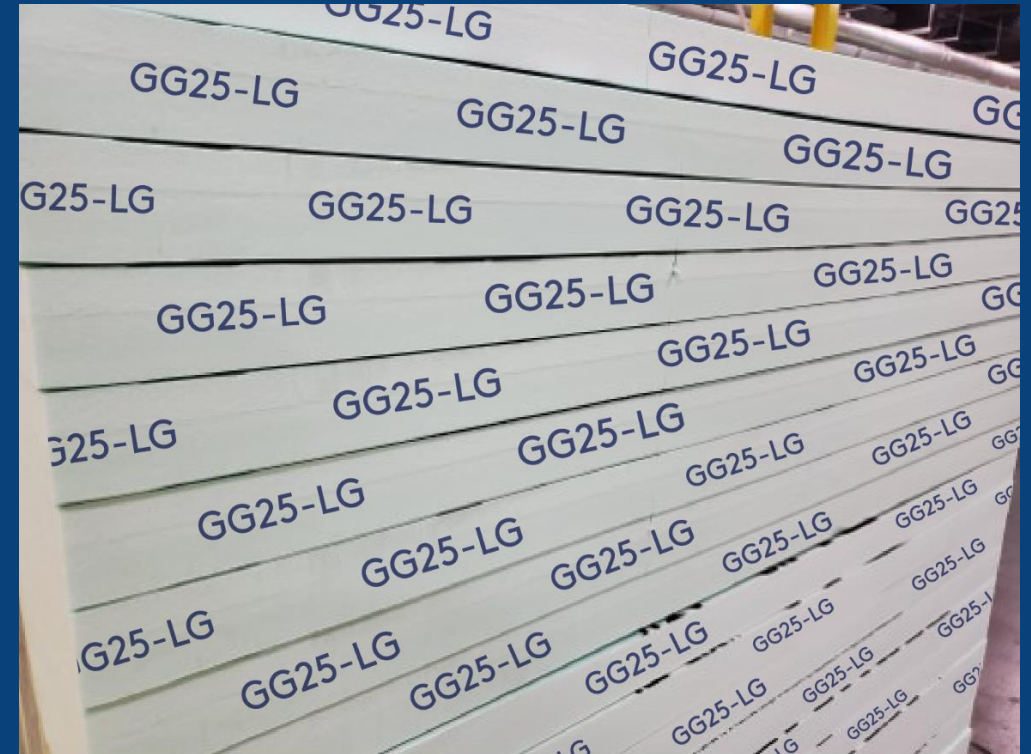
Bright ORANGE corner label is for XPS Products with HFC blowing agent produced in 2020 for transitioning markets.

Product Differentiation – One the Board Edge

Current Product



New LG Product



Product Differentiation – On The Board Face

Current Product

New LG Product



Kingspan® GreenGuard®

XPS Insulation Board
Panneau isolant de PSX
ASTM C 578, Type IV
CAN/ULC-701-05, Type 4

Thickness, inches Épaisseur, po	1/8	1/4	1	1 1/2	2	2 1/2	3	4
R-Value @ 75° F Mean Valeur R À 75 F	3.0	4.0	5.0	7.5	10.0	12.5	15.0	20.0

R means resistance to heat flow. The higher the R-Value, the greater the insulating power. The insulation must be installed properly to get the marked R-Value. Before installing GreenGuard®, obtain installation instructions from your supplier or Kingspan Insulation LLC, Atlanta, GA 1-800-241-4402.
La lettre R signifie la résistance thermique. Plus la valeur R est élevée, plus grand est le pouvoir isolant. L'isolation doit être installée correctement pour obtenir la valeur R indiquée. Avant d'installer un produit GreenGuard®, obtenez les instructions d'installation auprès de votre fournisseur ou de Kingspan Insulation LLC, Atlanta, GA, USA +1 (878) 589-7300.

COMPLIANCE / CONFORMITÉ
CA BEARHFTI Lic. No. T 1506;
Florida Product Approval - No. FL14164-R5;
Voir Rapport CCMC 12722-L;
Miami-Dade County, FL - NOA No. 18-1009.02;
Conformité: Voir Rapport CCMC 12722-L;
UL LLC - See Classification Certificate A183.

Go to www.kingspan.com/us for the most current compliance information.
Allez à www.kingspaninsulation.ca pour la plus récente information sur la conformité aux normes.

WARNING: This product is combustible. A protective barrier or a thermal barrier is required as specified in the appropriate building code.
AVERTISSEMENT: Ce produit est combustible. Une barrière protectrice ou thermique est requise, tel que spécifié de la code du bâtiment approprié.

Home Innovation
NGBS GREEN CERTIFIED™

Seal and Insulate with ENERGY STAR

MIAMI-DADE COUNTY APPROVED

UL CERTIFIED R1133

Kingspan, the G Device and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved.
GreenGuard is a Registered Trademark of the Kingspan Group plc in the U.S. All rights reserved.
Kingspan, l'emblème G et l'emblème du lion sont des marques déposées de Kingspan Group plc aux États-Unis, au Canada et dans d'autres pays. Tous droits réservés.
GreenGuard est une marque déposée de Kingspan Group plc aux États-Unis.



Kingspan® GreenGuard® LG

GG25-LG XPS Insulation Board
GG25-LG Panneau isolant de PSX
ASTM C 578, Type IV 25 PSI
CAN/ULC-701-05, Type 4

Thickness, inches Épaisseur, po	1/8	1/4	1	1 1/2	2	2 1/2	3	4
R-Value @ 75° F Mean Valeur R À 75 F	3.0	4.0	5.0	7.5	10.0	12.5	15.0	20.0

R means resistance to heat flow. The higher the R-Value, the greater the insulating power. The insulation must be installed properly to get the marked R-Value. Before installing GreenGuard®, obtain installation instructions from your supplier or Kingspan Insulation LLC, Atlanta, GA 1-800-241-4402.
La lettre R signifie la résistance thermique. Plus la valeur R est élevée, plus grand est le pouvoir isolant. L'isolation doit être installée correctement pour obtenir la valeur R indiquée. Avant d'installer un produit GreenGuard®, obtenez les instructions d'installation auprès de votre fournisseur ou de Kingspan Insulation LLC, Atlanta, GA, USA +1 (878) 589-7300.

COMPLIANCE / CONFORMITÉ
CA BEARHFTI Lic. No. T 1506;
Florida Product Approval - No. FL14164-R5;
Voir Rapport CCMC 12722-L;
Miami-Dade County, FL - NOA No. 18-1009.02;
Conformité: Voir Rapport CCMC 12722-L;
UL LLC - See Classification Certificate A183.

Go to www.kingspan.com/us for the most current compliance information.
Allez à www.kingspaninsulation.ca pour la plus récente information sur la conformité aux normes.

WHERE SOLD, COMPLIANT WITH LOCAL HFC REGULATIONS

WARNING: This product is combustible. A protective barrier or a thermal barrier is required as specified in the appropriate building code.
AVERTISSEMENT: Ce produit est combustible. Une barrière protectrice ou thermique est requise, tel que spécifié de la code du bâtiment approprié.

Home Innovation
NGBS GREEN CERTIFIED™

Seal and Insulate with ENERGY STAR

MIAMI-DADE COUNTY APPROVED

UL CERTIFIED R1133

Kingspan, the G Device and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved.
GreenGuard is a Registered Trademark of the Kingspan Group plc in the U.S. All rights reserved.
Kingspan, l'emblème G et l'emblème du lion sont des marques déposées de Kingspan Group plc aux États-Unis, au Canada et dans d'autres pays. Tous droits réservés.
GreenGuard est une marque déposée de Kingspan Group plc aux États-Unis.

What You Need To Know

Other Related

For Distribution Partners

- Anyone selling or shipping into a regulated area can only ship LG product or product made prior to January 1, 2021.
- Distributors outside of the identified states will be able to purchase HFC material made in 2021. However, it is in violation of State regulation to then ship HFC material produced in 2021 into regulated areas.
- Fanfold product from Kingspan uses a different blowing agent and is not affected by these new HFC regulations. In addition, the 11/18/20 price increase does not apply.
- If you are located in a regulated state, you can drop ship HFC material to customers in unregulated states. However, Kingspan will not ship HFC 2021 material to your warehouse for shipment to an unregulated state.
- If you are ordering product for a customer or project in a regulated location, regardless of your location, the product will be priced to include the appropriate price increase for that product.

What You Need To Know

Meeting Your Goals

For Architectural Partners

- GreenGuard® LG XPS products will meet your sustainability goals in 2021 for wherever your project is located. It will meet the requirements of both Canada and US states that implemented the HFC regulations.
- However, due to the high cost of a HFO blowing agent, GreenGuard® LG XPS products will come with a price premium.
- For a limited time, Kingspan will have HFC 2020 product produced prior to 1/1/21 available specifically for distributors in affected regions. While not as low as the LG formulation, Kingspan previously worked to blend our formulation to be below 550 GWP. This is less than 40% of HFC134a.

As the situation continues to evolve, Kingspan commits to our partners to work with you to complete this transition in the most effective manner. Please reach out if we can help.

For More Information

Contact your local
Kingspan Representative.

Also, call **1(800)241-4402**

www.kingspaninsulation.us

