



News Release

Insulated panels for COVID-19 vaccine storage facilities made with BASF's Elastopir® now produced by United Panel-System

- **Storage facilities ensure vaccines are maintained in constant and reliable conditions, at temperatures as low as minus 70 degree Celsius**
- **Elastopir® equips facilities with superior temperature stability and increased energy efficiency**

Kuala Lumpur, Malaysia – June 4, 2021 – United Panel-System M Sdn. Bhd, (UR), Malaysia's leading insulated panel, commercial and industrial refrigeration systems producer, now manufactures COVID-19 vaccine logistics facilities made with BASF's Elastopir® PH 1132/509/0, a high-quality polyurethane rigid foam insulation solution.

“As vaccines need to be preserved in super cold temperatures ranging from minus 70°C to plus 8°C to maintain their potency, the reliability of cold storages is extra important,” said Dato Sri Dr. Bee Loh from UR. “Thanks to BASF's Elastopir solutions, which provides extra-high temperature stability for the interiors, coupled with United Panel's sound technological expertise for commercial refrigeration systems, we are able to produce high-quality COVID-19 vaccine storage facilities for our customers across Asia.”

Sustainability is also an important benefit of BASF's Elastopir solutions. Elastopir PH 1132/509/0 is a n-pentane-blown foam, with a low global warming and ozone

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depletion potential. Additionally, the solution aids lower energy consumption, increasing the facilities' energy efficiency, an important consideration in many parts of Asia where electricity supply is hard to come by.

“It is heartening to know that BASF’s Elastopir solution is playing a part to support the COVID-19 vaccination programmes in different locations,” said Andy Postlethwaite, Senior Vice President, Performance Materials Asia Pacific, BASF. “Our collaboration with United Panel once again demonstrates our spirit to “go beyond,” as we work together to produce the highest quality panels for the vaccine storage facilities.”

Elastopir has superior fire performance, which enhances the protection of these facilities against fires. It was also recently used to produce mobile medical Intensive Care Unit (ICU) facilities by Rinac India Limited to support India’s urgent need for more hospital beds during the pandemic.

For more information about Elastopir, click [here](#).

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About United Panel-System M Sdn. Bhd

United Panel-System (M) Sdn. Bhd is the biggest panel manufacturer and refrigeration system house in ASEAN. Combing our state-of-the art machinery, expertise and experiences, we support our clients and governments located in different countries and ease their burden from the ongoing COVID-19 pandemic. Cold rooms and system are the first essential contact point for the storage of vaccines, food and everyday necessities. With UR’s worldwide approval standards for our products (FM Approval etc.), combined with the strong reliable support of BASF, we ensure that quality cold rooms are built in the shortest amount of time to meet the huge demand during the pandemic. UR is thankful for the opportunities from the various governments, BASF and clients for their continuous support during these tough times. More information online: <http://www.ur.com.my/>

About BASF’s Performance Materials Division

BASF’s Performance Materials division encompasses the entire materials’ know-how of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors – transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with deep understanding of application-oriented system solutions. Key drivers of profitability and growth are our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2020, the Performance Materials division achieved global sales of €5.63 bn. More information online: www.plastics.basf.com.

About BASF

About BASF At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 110,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2020. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at www.basf.com.