



We create chemistry

# Durasorb® LNG MAX

Maximize LNG production  
with Durasorb®



# Durasorb® for Natural Gas Treatment

**Durasorb® LNG MAX increases LNG production by eliminating coldbox freezing and increasing gas throughput.**

The technology uses proprietary modeling software based on pilot plant data, operational data, and decades of experience. Our BASF natural gas experts choose the ideal combination of adsorbents out of the comprehensive BASF portfolio. The resulting installation ensures more efficient removal of contaminants and maximizes LNG production.

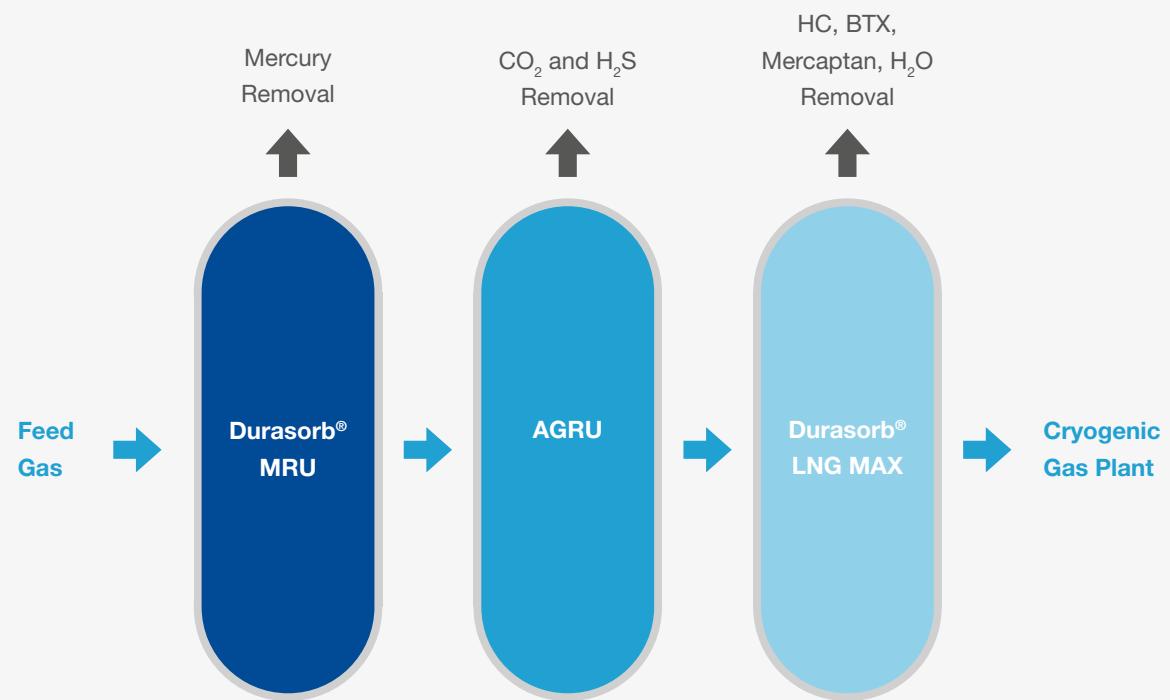
## Durasorb® LNG MAX increases LNG Production

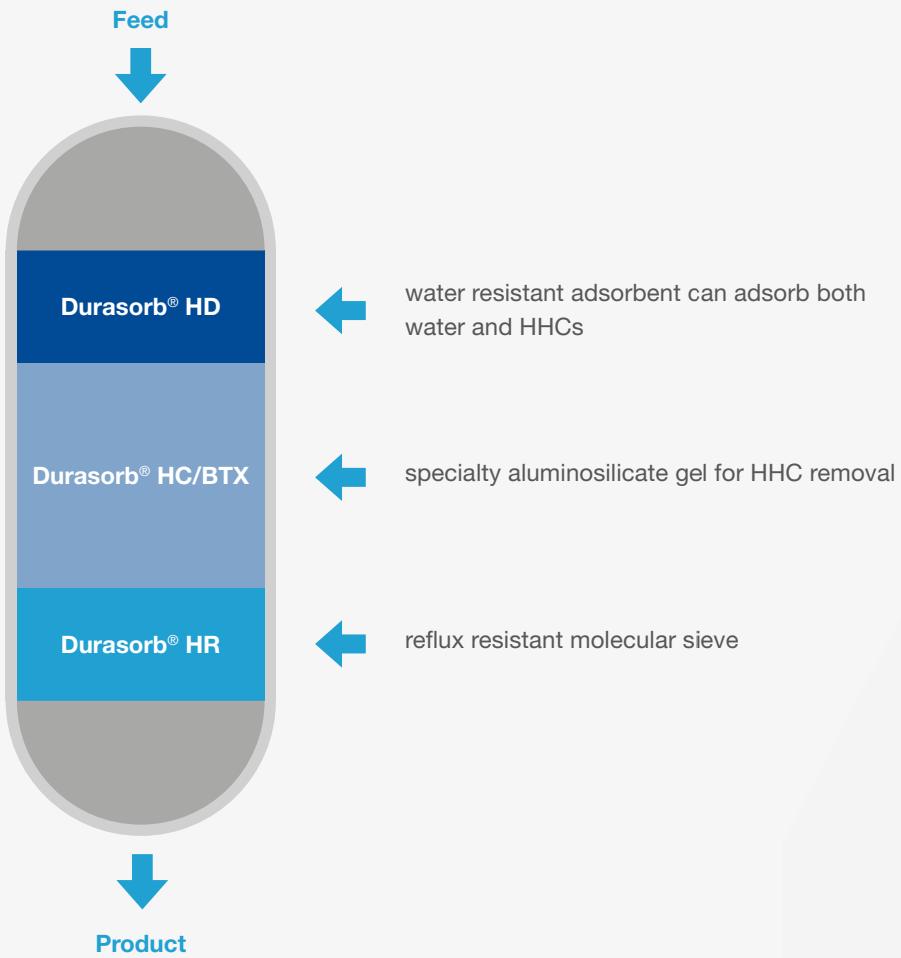
**As a drop-in solution or new plant design, Durasorb® LNG MAX**

- ▶ Removes heavy hydrocarbons and water in a single unit to eliminate deriming events increasing LNG production
- ▶ Reduces operational complexity and saves OpEX for existing units
- ▶ Saves CapEX by eliminating ineffective heavy hydrocarbon removal equipment for new projects
- ▶ Can allow the pre-treatment process to run above critical to increase LNG production by 10–20%



**Figure 1** Durasorb® LNG MAX dual-purpose technology replaces the standard molecular sieve dehydration unit and simultaneously removes heavy hydrocarbons and water to cryogenic specifications.





## Support and Services

BASF supports its customers in the design and operation of gas treatment plants by providing process design and engineering support and a range of technical services such as debottlenecking and process optimization, troubleshooting and revamps, analytics, and training. BASF offers tailored solutions and simulations to address specific gas feeds and compositions. Our designs are optimized to minimize CapEx and OpEx requirements of our customers.

## Innovative products, proprietary technology, and decades of experience

**Durasorb® is our innovation platform for the LNG industry that combines superior adsorbents with BASF expertise.**

Based on the long and successful history of BASF Sorbead® for hydrocarbon and water dewpoint control, BASF Durasorb® products are designed to work together to provide optimum solutions for the most difficult gas processing conditions, including retrofit of existing units.



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#### **About Us**

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

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