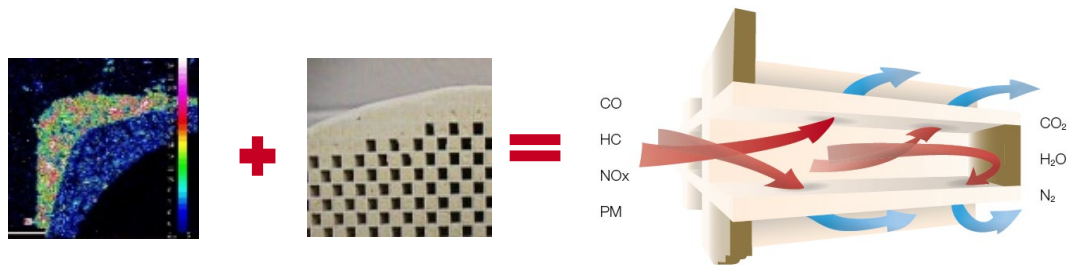


BASF FWC+ Catalysts

For gasoline engines

Innovative single component FWC catalyst adds a Three-Way-Conversion-like coating onto a filter substrate to remove Particulate Matter (PM), as well as CO (Carbon Monoxide), HC (Hydrocarbons) and NOx (Nitrogen Oxides) from gasoline-engine exhaust.



Our new Four-Way-Conversion Plus Catalyst (FWC+) is the answer to managing increasingly lower particulate limits.

The usage of filter components in gasoline exhaust aftertreatment systems has become a common standard with legislations such as Euro 6d and China Stage 6b in place.

With new emissions restrictions on the horizon, including CARB LEV3 in the US, advanced FWC technologies are required to deliver high filtration efficiency at a “cold start” (0km mileage) in real driving conditions, while minimizing backpressure.

Our innovative FWC+ technology enables gasoline engines to reach improved filtration targets with limited impact on system backpressure and without compromising on the gas phase performance of the catalyst.

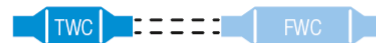
Benefits

- Removes Particulate Matter
- Lowers backpressure impact
- Potential to reduce package design
- Reduces system complexity, tooling and overall system cost

Particulate control approach

- Our FWC and FWC+ technologies can be customized for an optimum integration in all aftertreatment system configurations.

FWC UF application



FWC CC application



Fully integrated system



Figure 1: System configuration with FWC catalyst

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.

BASF - We create chemistry

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