

# CDPX

CoMeTas diesel particulate eXcellence is the cost-effective cDPF solution for passive regeneration of soot filters and removal of HC and CO. For challenging temperature profiles, CDPX can also be used in combination with other regenerations strategies such as pre-DOC, diesel-injection and fuel borne catalyst. The coating is based on optimal precious metal content combined with a base metal oxides composition developed by CoMeTas.

## Physical Filter Identification

	Name	CDPX particle filter
	Filter type	Wall flow filter made from re-crystallized silicon carbide or cordierite
	Manufacturer name	CoMeTas A/S
	Country of origin	Denmark
	Cell structure	90 - 300 CPSI

## Regeneration process

	Catalytically Active Elements	Confidential (combination of base metals) and precious metals
	Concentrations of above-mentioned ( w/w-%)	Confidential
	Temperature Requirements for passive operation	Peak: 400°C or above Average: 215°C or above Time above 250°C: 30% Time above 300°C: 15% Time above 350°C: 5% (recommended)
	Thermal durability	Up to 900°C (peaks)

The average temperature must be minimum 215-225°C but the whole temperature profile over the vehicle's duty cycle must be analyzed.

If the temperature peaks at higher temperatures, frequently and at regular intervals, it is possible to operate with a lower average temperature. If the temperature never peaks above 290-310°C, the application could be unsuitable for this type of filter. Long idling periods must be avoided in all cases.

## Expected emission reductions

	CO	94%
	HC	97%
	NO2	Increase
Sulphur resistance		500ppm

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