

**KATEC**

KATALYSATOREN



# **KATEC-ALLMETAL-CATALYSTS**

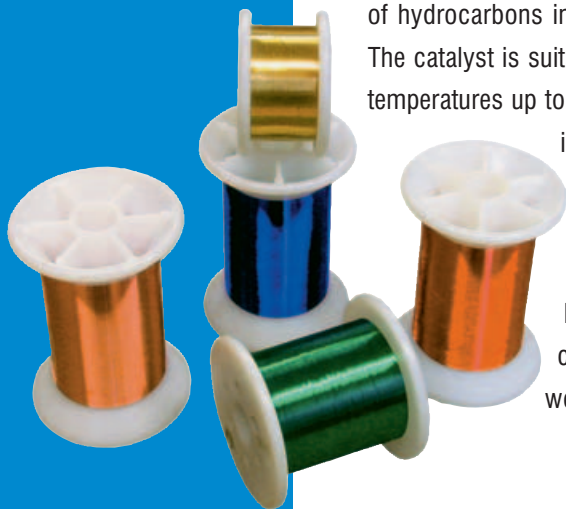
**for the WIRE ENAMELLING INDUSTRY**

**MORE THAN 30 YEARS  
QUALITY - RELIABILITY- EXPERIENCE**



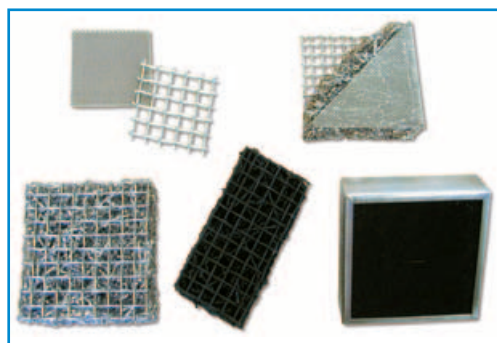
## THE KATEC-ALLMETAL-CATALYST

The KATEC-ALLMETAL-CATALYST has been especially developed for the catalytic combustion of hydrocarbons in industrial exhaust gasses. The catalyst is suitable for continuous operation temperatures up to 750 ° C and is used mainly in the wire enamelling industry. Our customers are the leading wire enamelling machine manufacturers in Europe and Asia and all machine endusers around the world.



### COMPONENTS

The KATEC-ALLMETAL-CATALYST is manufactured with a basic metal material, in form of a Nickel-Chrome flat wire, and will be coated with a special precious metal coat of Palladium and Platinum as an activating component. The flat wire is packed between stainless steel screens in order to form the different compact catalyst mats according to our customers individual demands. The finished mats can be delivered either fitted in a stainless steel frame or without frame. The quality of our catalysts and their components are strictly supervised through our quality control department in order to guarantee our customers a high quality standard for their requirements.



### CHARACTERISTICS

The KATEC-ALLMETAL-CATALYST has several important characteristics as

- Compact construction
- Unbreakable
- No abrasion
- Excellent air circulation
- Low pressure drop
- Water- and acid washing possible
- Reactivation of used elements
- All desired measurements available
- Environmental-friendly
- Energy saving

### DIMENSIONS

The KATEC-ALLMETAL-CATALYST has already been manufactured in more than 500 different catalyst sizes. Our modern production process allows us to manufacture all sizes, with and without frames as requested by our customers.

### REACTIVATION

KATEC has developed this special environmental-friendly procedure more than 30 years ago in order to offer our customers a additional alternative service to new catalysts. It means that because of its excellent characteristics the KATEC-ALLMETAL-CATALYST can be reactivated after its use. The reactivation process of course depends on the condition of each catalyst after the use. Our environmental-friendly reactivation process can save a lot of cost compared to new catalysts.

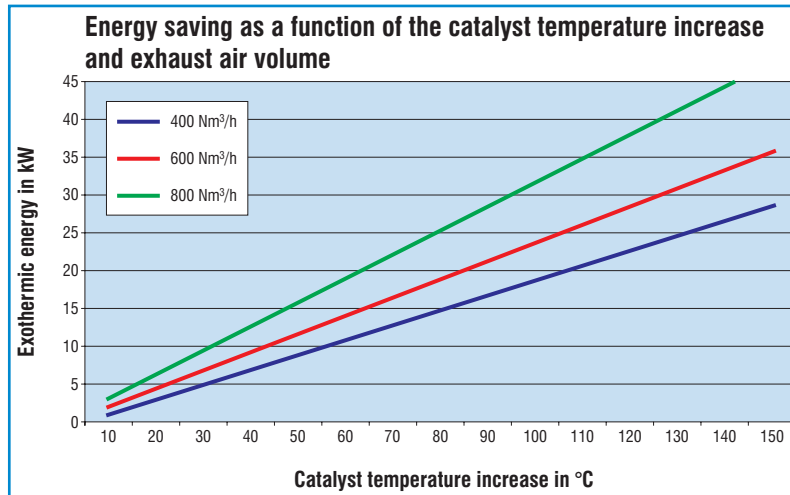
# ADVANTAGES OF THE ALLMETAL-CATALYST

# KATEC

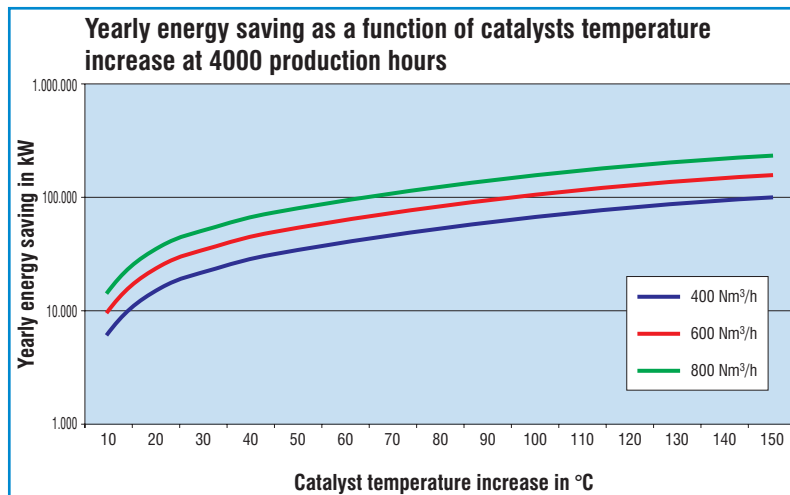
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Of course one of the main reasons to use catalysts is the reduction of total carbon emission. If an enamelling machine is equipped with a good performing catalyst you can not only reduce emissions but also save energy as the catalysts oxidation is an exothermic reaction.

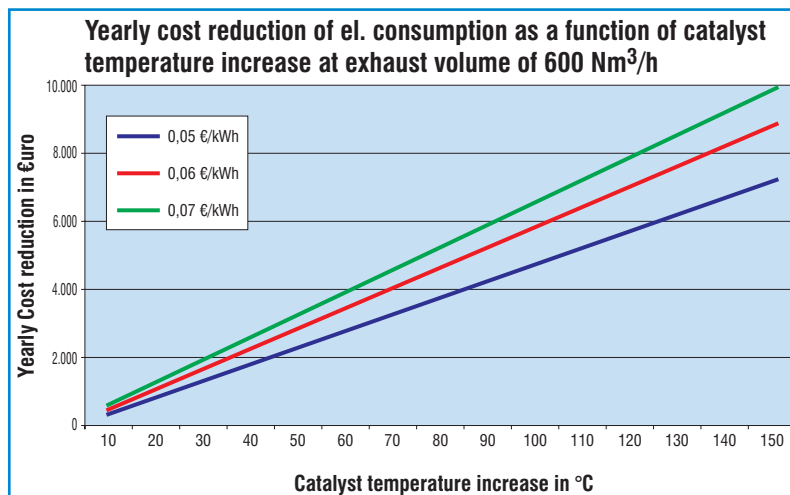
Depending on the solvent concentration the catalytic oxidation results in a temperature increase through the catalyst. This energy can be used within the enamelling machine and reduces other energy cost.



As an example with 4000 production hours per year and an air volume of 600 Nm³/h you can already save close to 100.000 KW per year.

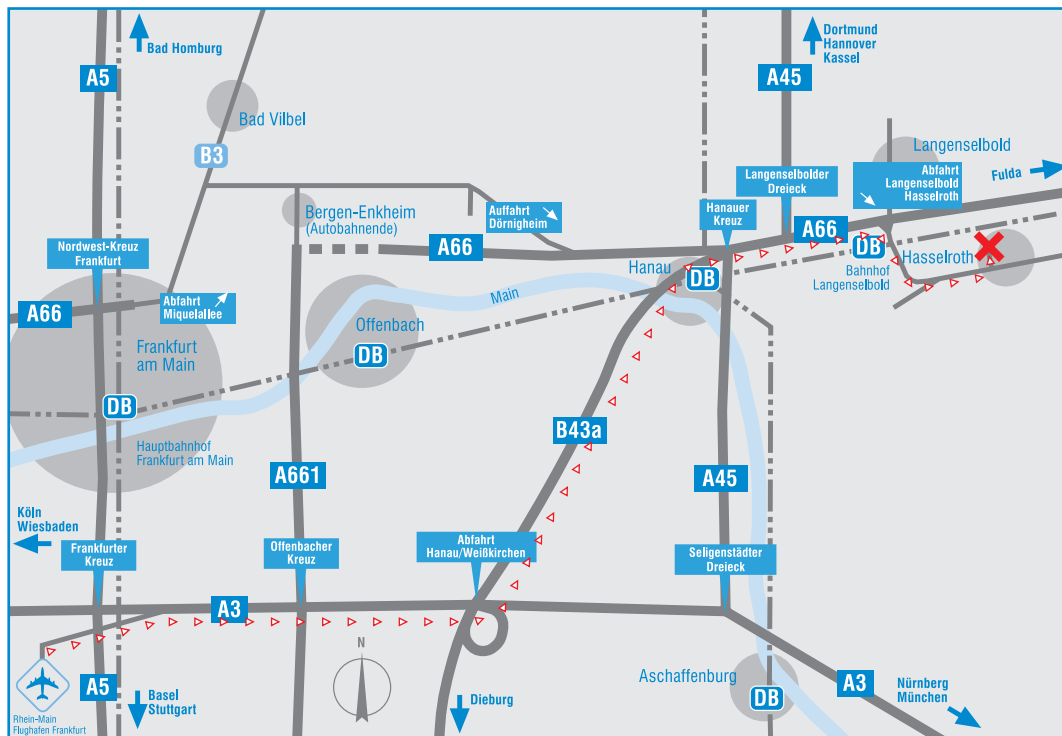


Based on the different cost for electrical consumption a good performing catalyst can save up to 10.000 € per year as the energy can be used within the enamelling machine.



## HOW TO REACH US

Through its location in Hasselroth within the Rhein-Main-Area, its excellent access to the Frankfurt International Airport, a fine motorway network and through our world wide representative network we are able to serve our customers directly and very flexible.



### You can find KATEC very easily from Frankfurt International airport:

Please follow indication A3 highway Nürnberg/München direction up to exit Hanau/Weiskirchen. Follow the federal road B43a Hanau direction till you receive the Hanau motorway intersection. Follow the highway A66 up to Langenselbold motorway intersection. Now follow the indication A66 highway Fulda direction and take the first exit Langenselbold/Hasselroth. Follow the road signs direction Hasselroth and you find KATEC after 3 km on the left side at the beginning of the town.

### KATEC KATALYSATOREN

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