



isovac®

BLUE

Blued Electrical Steel Strip by voestalpine

Insulating Effect Reduces
Eddy Current Losses

voestalpine

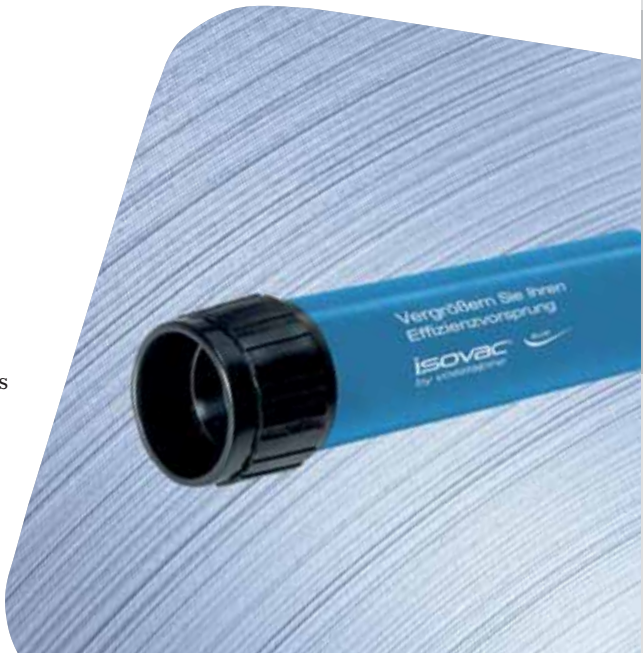
ONE STEP AHEAD.



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At times it is by coincidence that an innovative product is developed, which is the story of a steel strip with an insulating oxide layer created during production testing at voestalpine Stahl. In collaboration with strategic customers, voestalpine Stahl invested intensive research that resulted in a non-paint coating technique for final-annealed electrical steel strip. Within a short period of time, isovac® blue was launched as an innovative and high-quality product to the market.

The physical properties of the new insulating layer are comparable to those of paint coatings on full-finished electrical steel strip. Reduced eddy current losses, the elimination of an insulating paint coating and the resulting cost efficiency are the most significant advantages of isovac® blue.



Main Benefits of isovac[®] blue

Our customers enjoy the conventional advantages of isovac[®], such as low silicon content, excellent electro-magnetic properties and optimum processing characteristics, in addition to the additional benefits of isovac[®] blue:

- Elimination of the paint coating layer, resulting in reduced cost
- Reduction of eddy current losses
- Elimination of final annealing at the customer
- Substitution of semi-finished steel grades
- Full compliance with the most recent environmental guidelines

isovac® blue Applications

isovac® blue has already been implemented in punched and stacked parts for electrical engines, generators and transformers.

The overwhelming customer response has confirmed our position: isovac® blue is the innovative solution in electrical steel strip. Enjoy the benefits of isovac® blue.



Technically More Advanced. Successful together.

voestalpine – the partner you can trust.

High-quality materials are the basis for our products.
We strive to be the best partner for our customers and want to provide them with the best-possible solution.

We focus our expertise on two aspects:

The personal aspect, with dedicated and highly competent employees

The technical aspect, with high-quality methods, products and services

The companies in the voestalpine Steel Division and our employees are here to serve our customers as effectively and efficiently as possible and pledge the following:

- Understanding for our customers' business
- Dedication to professionalism
- Reliability
- Partnerships based on trust
- Responsibility for satisfactory project completion

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