KLEBEN TC

DAkkS Deutsche Akkreditierungsstelle D-ZE-20105-01-00

Certificate

in accordance with EN 17460 - Railway applications Adhesive bonding of rail vehicles and their components

The company

Friedrich Hippe Maschinenfabrik und Gerätebau GmbH

at its location

Töpferstraße 25
49170 Hagen a.T.W.
GERMANY

after having successfully verified by the certification body awarded a certificate in accordance with EN 17460:2022-07 Railway applications – Adhesive bonding of rail vehicles and their components

The company is suitable for carrying out bonding processes in the following scope

Process design Class A2
Manufacture Class A2
Purchasing, trading and assembly Class A2

The certificate no. TC-K/17460/A2/F2-1/2024/792 was issued on November 22nd, 2024, was amended on February 14th, 2025 and is valid until February 14th, 2028 according to the details and remarks given.

Certification Body acc EN 17460 KLEBEN TC TechnologieCentrum Kleben

Thomas Richter, Head of Certification Body

Certificate

in accordance with EN 17460 Railway applications – Adhesive bonding of rail vehicles and their components

The Company **Friedrich Hippe Maschinenfabrik und Gerätebau GmbH**

with production site in **Töpferstraße 25**
49170 Hagen a.T.W.
GERMANY

has been certified in accordance with EN 17460:2022-07 for the following area of validity:

Process design Class A2
Manufacture Class A2
Purchasing, trading and assembly Class A2

Scope of validity

Main function of the bonded joints:	D, F, S
Pre-treatment methods:	-
Production methods:	SO, HU, TK
Test methods:	DT
Degree of mechanization:	M

Responsible ABC:	Mr. Michael Wortmann, born 22.12.1986 / EAS
ABC with not equal rights:	Mr. Michael Kronenberg, born 06.03.1987 / EAB
Remarks:	This document is only valid in combination with the actual registration of the certificate in the Online-Register. For further remarks see the back page.
Certificate No.:	TC-K/17460/A2/F2-1/2024/792
Validity:	2024 November 22nd – 2028 February 14th
Issued on:	2024 November 22nd
Changed on:	2025 February 14th

Thomas Richter, Head of the Certification Body

Remarks

Classified bonded parts only have to be produced in the proven areas: bonding room.

General Regulations

The new application has to be submitted to the certification body at least two months before the certificate expires ifthe suitability of the user-company shall be certificated furthermore.

Changes within the time of validity of the certificate

If the address of the user-company or company site, the class of the certificate, supervisors or the area of validity change, the certification body must be informed immediately. The certification body decides about the necessity ofan inspection on the site and change of the certificate.

The certification body must be informed if there are changes or additions to main processes or to any of the areas for which the certificate is valid under „Main function", "Pre-treatment methods", "Production methods", "Test methods" and "Degree of mechanisation". The certification body decides whether to check the changes on-site and whether it is necessary to change the certificate.

Withdrawal of the certifica tion

The certification body can withdraw certification if:

1) There is a serious shortcoming in the execution of the adhesive bonding work as required by this standard;
2) There is a serious shortcoming in the supervision of the adhesive bonding work as required by this standard;
3) There is no authorised supervision of the adhesive bonding work;
4) The employees carrying out the adhesive bonding work at the practical level do not have valid qualification certificates as required by this standard;
5) Other conditions required by this standard are no longer fulfilled;
6) The period of validity has expired;
7) The user-company does not have certification.

The user company must confirm attention of the withdrawal in written form towards the certification body.

Certification

In accordance with EN 17460 Railway applications - Adhesive bonding of rail vehicles and their components

KLEBEN IC

Accredited certification body according to
DIN EN ISO/IEC 17065
(DAkkS D-ZE-20105-01-00)

The company **Friedrich Hippe Maschinenfabrik und Gerätebau GmbH**

with production facility at **Töpferstraße 25**
49170 Hagen a.T.W.
GERMANY

has been certified to carry out adhesive bonding work for

Class A2

Pre-Production: Process Design
In-Production: Manufacture
Purchasing, Sale and Assembly

in accordance with EN 17460.

Area of validity

Main function of the bonded joints*:	F, D, S
Pre-treatment methods*:	-
Production methods*:	SO, TK, HU
Test methods*:	DT
Degree of mechanization*:	M

* From the code table in Annex 3 to the A-Z-Guideline

Responsible Adhesive Bonding Coordinator (rABC):	Mr. Michael Wortmann, 22.12.1986 / EAS
Adhesive Bonding Coordinator (ABC) non-equally authorized:	Mr. Michael Kronenberg, 06.03.1987 / EAB
Auditor 1:	Mr. Julian Band
Certifier:	Mr. Thomas Richter
Issuer:	Mr. Thomas Richter

Remarks: Classified bonded parts only have to be produced in the proven areas: bonding room

Certification no.:	TC-K/17460/A2/F2-1/2024/792
Issued on:	22.11.2024
Change on:	14.02.2025
Valid from:	22.11.2024
Valid until:	14.02.2028

This document is only valid in combination with the actual registration of the certificate in the Online-Register.

(Head of certification body, name, signature and stamp)

Friedrich Hippe Maschinenfabrik und Gerätebau GmbH
TC-K/17460/A2/F2-1/2024/792

General Regulations

The new application has to be submitted to the certification body at least **two month** before the certificate expires if the suitability of the user-company shall be certificated furthermore.

Changes within the time of validity of the certificate

If the address of the user-company or company site, the class of the certificate, supervisors or the area of validity change, the certification body must be informed immediately. The certification body decides about the necessity of an inspection on the site and change of the certificate.

The certification body must be informed if there are changes or additions to main processes or to any of the areas for which the certificate is valid under "pretreatment methods", "production processes", "test methods" and "degree of mechanisation". The certification body decides whether to check the changes on-site and whether it is necessary to change the certificate.

Withdrawal of the certification

Authority or the certification body can withdraw certification if:

1. There is a serious shortcoming in the execution of the adhesive bonding work as required by this standard;
2. There is a serious shortcoming in the supervision of the adhesive bonding work (except for part class A3) as required by this standard;
3. There is no authorised supervision of the adhesive bonding work;
4. The employees carrying out the adhesive bonding work at the practical level do not have valid qualification certificates as required by this standard;
5. Other conditions required by this standard are no longer fulfilled;
6. The period of validity has expired;
7. The user-company does not have certification.

The user company must confirm attention of the withdrawal in written form towards the certification body.