

General building authority test certificate

Test certificate number:

P-1200/593/17-MPA BS

**Subject and
scope of application:**

Application provisions for a plastic waterproofing sheet in accordance with DIN EN 13967 for construction waterproofing pursuant to Construction Products List A Part 3, sequential no. 1.2, which deviates from the requirements of DIN V 20000-202, section 5.3.

Here: "Master Seal 754" waterproofing sheet
for construction waterproofing

Applicant:

BASF Türk Kimya San. Ve Tic. Ltd. Sti
Mete Plaza Icerenköy Mah. Bahcelerarasi Sk. No. 4334752
- ATASEHIR/Istanbul
Türkei

Issue date:

1 February 2017

Valid until:

31 May 2021

This general building authority test certificate consists of 9 pages and 4 annexes.



A General provisions

- (1) This general building authority test certificate demonstrates the usability of the construction method listed as the subject within the meaning of the German State Building Codes.
- (2) The general building authority test certificate does not replace the permits, approvals and certificates required by law for the execution of construction projects.
- (3) The general building authority test certificate is granted without prejudice to the rights of third parties, especially private property rights.
- (4) Without prejudice to any further regulations under the "Special provisions" section, manufacturers and distributors of the construction method must provide the user of the construction product with copies of the general building authority test certificate and point out that the general building authority test certificate must be available at the application site. On request, copies of the general building authority test certificate must be made available to the authorities concerned.
- (5) The general building authority test certificate may only be reproduced in full. Publication of excerpts requires the consent of the Braunschweig Civil Engineering Materials Testing Institute. Texts and drawings of advertising material must not contradict the general building authority test certificate. Translations of the general building authority test certificate must bear the following notice: "This translation of the German original document has not been checked by the Braunschweig Civil Engineering Materials Testing Institute."
- (6) The general building authority test certificate may be revoked at any time. The provisions of the general building authority test certificate may be supplemented or amended subsequently, especially if this is required due to new technical knowledge.

B Special provisions

1 Subject and scope of application

1.1 Subject

The subject of the general building authority test certificate is the application provisions for the plastic waterproofing sheet with the product name "Master Seal 754" from BASF Türk Kimya San. Ve Tic. Ltd. Sti, pursuant to Construction Products List A, Part 3, sequential No 1.2, as a construction method for construction waterproofing. The sheet complies with DIN EN 13967 pursuant to Construction Products List B, Part 1 sequential. No. 1.10.2. On the basis of Annex ZA to this standard, the manufacturer has declared the sheet's conformity by means of a declaration of performance and has provided the sheet with a CE marking. The product data sheet containing the declared properties is included as Annex 1.



The construction product “Master Seal 754” is a laminated, 1.0 m wide waterproofing sheet (moisture barrier type A and type T) with the following structure (from top to bottom):

- Polypropylene-based lamination, colour: black
- FPO-based carrier film (flexible thermoplastic polyolefin),
Thickness: approx. 0.8 mm, colour: grey

The sealing function is carried out by the 0.8 mm thick FPO carrier film.

The construction product “Master Seal 754” is used in the production of waterproofing in conjunction with the following components:

- Sealing tape: FPO-based carrier film (flexible thermoplastic polyolefin) with butyl rubber-based self-adhesive layer, thickness: 200 mm
- Inner and outer corners: FPO-based carrier film (flexible thermoplastic polyolefin) with butyl rubber-based self-adhesive layer, side length at least 100 mm

The “Master Seal 754” waterproofing sheet achieves its waterproofing function in combination with fresh concrete, which connects adhesively to the sheet across the entire surface and thus prevents water from running between the reinforced concrete component and the “Master Seal 754” waterproofing sheet. The waterproofing sheet is installed on the side of the component facing the water before concreting.

The waterproofing sheet is equipped with an approx. 10 cm wide self-adhesive edge strip on one long side. End joins or cross seams and any required cuts are adhered using the sealing tape.

The product “Master Seal 754” is classified in table 2, No. 4 (FPO) of DIN V 20000-202 with regard to its material type and in table 3, No. 7 (sheets with lamination) application type BA of DIN V 20000-202 with regard to its product structure and intended application. The building authority application provisions for sheets in accordance with DIN EN 13967 are taken from Part II of the List of Technical Building Regulations (LTB), sequential No. 5.38 (DIN V 20000-202, section 5.3). The features pursuant to DIN V 20000-202, section 5.3.3.7, table 21 (plastic and elastomer sheets with lamination for construction waterproofing) are used to determine the specified classification of the sheet. The values declared for the sheet pursuant to Annex 1 deviate from the requirements prescribed with regard to the thickness, the resistance to impact (procedure A), the shear resistance of the joint seam and the maximum tensile force as follows:



| Values according to DIN EN 13967 | | | Requirement acc. to DIN V 20000-202; Table 21 (BA) |
|---|-------------------|--|--|
| Property | Test procedure(s) | Declaration in accordance with Annex 1 | |
| Thickness | EN 1849-2 | Effective thickness of the sealing layer, d_{eff} $x = 0.80 \text{ mm} \pm 0.09 \text{ mm}$ | $\geq 1.2 \text{ mm}$ (Thickness without lamination and/or self-adhesive coating) |
| Shear resistance of the joint seam | EN 12317-2 | $\geq 150 \text{ N/50 mm}$ | Break outside the joint seam |
| Tensile properties - Maximum tensile force | EN 12311-2 | Max. tensile force N/50 mm lengthwise > 300 across > 250 | ≥ 500 ≥ 500 |
| Resistance to impact | EN 12691 | Procedure A $\leq 150 \text{ mm}$ drop height | ≥ 300 |

The sheet deviates with regard to its structure as follows:

- Lamination on the upper side as opposed to lamination on the underside

1.2 Scope of application

The "Master Seal 754" waterproofing sheet, when used in combination with fresh concrete, is suitable for the production of single-layer construction waterproofing in the following building authority-related application areas:

- External waterproofing of floor panels in contact with the ground and concrete outer wall surfaces against soil moisture (capillary water, retained water), non-standing and standing seepage water, as well as pressing water up to an immersion depth of 20 metres of water.

Comment:

For any existing transition between the surface waterproofing and concrete components with a high resistance to water penetration, a separate proof must be produced in accordance with Construction Products List A Part 2, sequential No 2.48.

- The waterproofing sheet may be used on construction joints and controlled crack joints.

Comment:

The waterproofing sheet must not be used on expansion joints.



2 Properties and application provisions

2.1 Properties and characteristics of the sheet

The verifiable properties and characteristics in accordance with DIN EN 13967 were established by the MPA Braunschweig (NDS01) on samples from a delivered "Master Seal 754" plastic waterproofing sheet. The results are given in Annex 2.

Additional tests were carried out by the testing laboratory to determine the application provisions. The type of tests and the results are compiled in Annex 3.

2.2 Application provisions for the construction method

On the basis of the properties determined pursuant to section 2.1, the "Master Seal 754" waterproofing sheet may be used as a sheet in accordance with DIN V 20000-202 table 3, No. 1 (application type BA), as a single-layer construction waterproofing adhered to a concrete component across the entire surface in combination with fresh concrete, in the application areas specified under 1.2. In this respect, the following application provisions shall apply:

Base

- The base on which the waterproofing sheet is laid before concreting must be solid and sufficiently stable, as well as free of loose parts and sharp edges. Cavities, cracks and imperfections must be closed with suitable materials according to manufacturer specifications.

Laying

- The "Master Seal 754" must always be positioned on the outside of the structure.
- The "Master Seal 754" must be laid loosely on the base with the lamination on the concrete side. The longitudinal seam is sealed with the self-adhesive edge strips. The overlap measures approx. 100 mm. When laying, the fleece surfaces must join up flush. A deviation of up to 5 mm is tolerable; overlaps must be excluded.
- End joins or cross seams and any required cuts are made using the 20 cm wide sealing tape with a centrally located seam. When laying, the fleece surfaces must join up flush. A deviation of up to 5 mm is tolerable; overlaps must be excluded. The sealing tape must only be adhered with the sheet's carrier film.
- The seams must be arranged offset. Cross joints are not permitted.
- The sealing tape may be fixed to the long edges of the substrate as a mounting aid over a width of 2 cm.



- Individual sealing tapes must be overlapped by at least 100 mm in the direction of unrolling.
- All adhesive surfaces must be dry and free of impurities. They must not have any creases and the overlaps must be rolled on carefully.
- In the floor/wall connection area, factory-made inside and outside corners must be positioned in the corner areas. The overlaps with the sealing tape must measure 100 mm.
Alternatively, the inner and outer corners in the floor/wall connection area may also be created by cutting the sealing tape in accordance with the manufacturer's specification.
- The sheet must be held at least 200 mm over the upper edge of the floor panel and attached without damaging it.
- When laying on walls, the "Master Seal 754" may only be mounted vertically. The sheet must be held and attached at least 200 mm over the upper edge of the formwork.
- To connect to penetrations, the "Master Seal 754" must be laid in accordance with manufacturer specifications such that a long-term watertight seal is ensured.
- The waterproofing sheet may be used to seal construction joints and controlled crack joints. It must not be used as a primary seal on expansion joints.
- In the area of construction joints and controlled crack joints, the "Master Seal 754" must be laid at least 200 mm across the joint or across the concreted section.

Installation of reinforcement and concrete

- When installing reinforcement and concrete, suitable measures must be taken to ensure that the waterproofing is not damaged. Only surface spacers in accordance with the manufacturer's specifications may be used as spacers for the reinforcement on the floor panel.
- Before installing the concrete, a thorough visual inspection of the "Master Seal 754" must be performed. Any damage present must be eliminated in accordance with the manufacturer's specifications. Installation of the concrete must take place immediately after approval.
- Any adhering impurities which interfere with the fresh concrete adhesion must be removed before concreting.
- To protect the waterproofing sheet, concreting must be performed as soon as possible after it is installed. In the event of prolonged periods of open exposure, protective measures must be taken.



- The concrete must be of at least consistency class F4 to F6 and at least compressive strength class C20/25.
- Sprayed concrete must not be used in conjunction with the "Master Seal 754".

Formwork stripping

- The formwork may only be stripped once the compressive strength of the concrete is at least 10 N/mm², in order to avoid adhesion faults.
- After the formwork is removed, the "Master Seal 754" must be permanently protected from damage by positioning protective coatings or protective layers.

2.3 Storage, transport and marking

2.3.1 Storage and transport

The rolls of "Master Seal 754" waterproofing sheet are to be stored and transported in a box or shrink-wrapped. Stacking the sheets is not permitted. Until they are used, the sheets must be protected from heat, direct sunlight and moisture. All stress caused by concentrated or linear loads or by solvent vapours must be avoided.

2.3.2 Marking

The product must be provided with a CE marking in accordance with DIN EN 13967 Annex ZA.3.

The product must not be marked in accordance with DIN V 20000-202. A reference to this general building authority test certificate must be made, clearly separated from the CE marking.

2.4 Design and measurement

The application provisions specified under 2.2 shall apply with regard to the design and measurement of construction waterproofing. Furthermore, the basic details of DIN 18 195 Part 1 and supplementary sheet 1 and the manufacturer's general information and laying and processing instructions shall also apply.

2.5 Implementation

The applicability of the waterproofing can only be assumed if it is used in consideration of the particular application provisions in accordance with section 2.2 and the manufacturer's processing instructions and if the basic details of DIN 18195 Part 3, Part 4 and Part 6 as well as Part 8 to Part 10 are taken into account in the implementation and processing. To this end, the general building authority test certificate and the manufacturer's laying instructions and operating instructions must be available on the construction site.



The implementation also comprises checks during installation of the waterproofing and of the finished product. The checks include a visual inspection of the base to ensure it complies with the requirements as well as a visual inspection of the waterproofing before installation of the reinforcement, before concreting and before application of a protective layer.

Furthermore, object-specific evidence of the sheet's adhesion in conjunction with the concrete used on site after a curing period of at least 7 days must be provided for each batch of the plastic sheet. The verification checks must be performed on composite bodies (see Annex 4), which are made using the "Master Seal 754" waterproofing sheet in a formwork with dimensions 50 cm x 50 cm x 5 cm (width x length x thickness).

The manufacturer is obligated to consistently incorporate the application and implementation provisions of this general building authority test certificate in its laying and processing instructions.

2.6 Use, maintenance, servicing

N/A

3 User's certificate of conformity

The user of the construction method must confirm in a declaration of conformity that the construction method is implemented in compliance with the provisions of the general building authority test certificate and that the construction products used comply with the provisions of this general building authority test certificate. Annex 4 contains a template for a declaration of conformity for application of the product.

4 Legal basis

This general building authority test certificate is granted on the basis of Article 19 of the Lower Saxony Building Code (NBauO) as amended in the announcement of 3 April 2012 in conjunction with the Construction Products List A, Part 3, sequential No. 1.2. Corresponding legal bases are present in the German State Building Codes of other federal states.

5 Legal remedies

An appeal or complaint against this decision is permitted in line with the legal regulations of the country in which the applicant is located. In the case of a right of appeal, the appeal must be filed in writing or for the record at the Civil Engineering Materials Testing Institute, Beethovenstraße 52, 38106 Braunschweig, within a month after receipt of this decision.



The punctuality of the appeal shall be determined by the date of receipt of the notice of opposition at the Civil Engineering Materials Testing Institute in Braunschweig.

This document is the translated version of test certificate no.
P-1200/593/17-MPA BS - dated 01/02/2017.

The legally binding text is the aforementioned German test certificate.



Dr.- Ing. K. Herrmann
Head of Testing Laboratory



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N. Meyer-Laurien (Techn. Empl.)
Engineer/Official in Charge

Braunschweig, 1 February 2017

List of annexes:

- Annex 1: Manufacturer's product data sheet with declared values
- Annex 2: Identified properties and characteristics of the "Master Seal 754" plastic waterproofing sheet in accordance with DIN EN 13967
- Annex 3: Identified properties and characteristics of the "Master Seal 754" waterproofing sheet in accordance with additional tests by the MPA Braunschweig
- Annex 4: Template for user's declaration of conformity

Annex 1: Manufacturer's product data sheet with declared values



9. Erklärte Leistung

| Eigenschaften/ Prüfung gemäß DIN EN 13967 | Prüfnorm | Art der Ergebnisse | Festlegung |
|---|---|------------------------------|--|
| Länge | DIN EN 1848-2 | MDV | -0 m / +0,2 m |
| Breite | DIN EN 1848-2 | MDV | ± 5 mm |
| Dicke (Dichtschicht) | DIN EN 1849-2 | MDV | 0,8mm ± 0,09mm |
| Geradheit | DIN EN 1848-2 | Kleiner oder gleich 75mm/10m | bestanden |
| flächenbezogene Masse | DIN EN 1849-2 | MDV | x = 850 g/m ² ± 75 g/m ² |
| sichtbare Mängel | DIN EN 1850-2 | keine sichtbaren Mängel | keine sichtbaren Mängel |
| Wasserdichtheit | DIN EN 1928-A 60kPa / 24 Std. | bestanden | bestanden |
| | DIN EN 1928-B 400kPa / 72 Std. | bestanden | bestanden |
| Widerstand gegen Stoßbelastung | DIN EN 12691 A: Alu Platte B: EPS Platte | MLV | ≤ 150 mm ≤1500 mm |
| Dauerhaftigkeit der Wasserdichtheit gegen Künstliche Alterung | DIN EN 1296 DIN EN 1928-A 60kPa / 24 Std. | bestanden | bestanden |
| Dauerhaftigkeit der Wasserdichtheit gegen Chemikalien | DIN EN 1847 DIN EN 1928-A 60kPa / 24 Std. | bestanden | bestanden |
| Verträglichkeit mit Bitumen | DIN EN 1548 | | |
| Wasserdichtheit | DIN EN 1928-A 60kPa / 24 Std. | bestanden | bestanden |
| Weiterreißwiderstand (Nagelschaft) | DIN EN 12310-1 | MLV | längs: ≥ 300 N quer: ≥ 300 N |
| Scherwiderstand der Fügenähte | DIN EN 12317-2 | MLV | ≥ 150 N/50 mm |
| Wasserdampfdurchlässigkeit SD-Wert | DIN EN 1931 Verfahren B | MDV | g= 6,80·10 ⁻⁹ kg/(m ² ·s) ± 30% 60 m ± 20 m |
| Widerstand gegen statische Belastung | DIN EN 12730 Verfahren A: EPS-Platte Verfahren B: Beton | MLV | ≤ 20 kg ≤ 20 kg |
| Zug-Dehnungsverhalten | DIN EN 12311-2 Verfahren A | MLV | längs: ≥ 300 N/ 50mm quer: ≥ 250 N/ 50mm längs: ≥ 75 % quer: ≥ 85 % |
| Brandverhalten | EN 13501-1 | Euroklasse | Klasse E |



Annex 2: Identified properties and characteristics of the “Master Seal 754” waterproofing sheet in accordance with DIN EN 13967

| Values in accordance with DIN EN 13967 | | | | Requirement in accordance with DIN V 20000-202; Table 21 (BA; FPO) |
|--|---------------------------------|---------------------|--|--|
| Property | Test procedure(s) | Unit Type of result | Findings | |
| Watertight against water in liquid phase | DIN EN 1928 procedure B | [-] passed | watertight to 60 kPa ⇒ passed | watertight to 60 kPa ⇒ passed |
| Resistance to static loads | EN 12730 procedure B | [kg] | Procedure B Imposed load 20 kg watertight | N/A |
| Tensile properties - Maximum tensile force - Expansion under maximum tensile force | EN 12311-2 | [N/50mm] [%] | Maximum tensile force [N/50mm] Lengthwise x= 403 s= 9.43 across x= 342 s= 8.90 Expansion under maximum tensile force [%] Lengthwise x= 93.0 s= 1.14 across x= 122 s= 3.70 | ≥ 500 N/50mm ≥ 500 N/50mm ≥ 2% ≥ 2% |
| Durability of water tightness against artificial ageing | EN 1296 and EN 1928 procedure B | [-] passed | after stress watertight to 60 kPa | N/A |
| Durability of water tightness against chemicals (alkali resistance) | EN 1847 and EN 1928 procedure B | [-] passed | after stress watertight to 60 kPa | N/A |
| Tear resistance - nail shank - | EN 12310-1 | [N] | Lengthwise x= 370 s= ± 38.0 across x= 382 s= ± 22.7 | N/A N/A |
| Resistance to impact | EN 12691 | [mm] | Procedure A 250 mm drop height watertight Procedure B 2,000 mm drop height watertight | ≥ 300 N/A |
| Shear resistance of the joint seams | EN 12317-2 | [N/50mm] | Long edge (self-adhesive strips) x= 199 N/50mm s= ± 1.75 Shearing in the joint seam | Break outside the joint seam |

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Annex 2: Continuation of table
Identified properties and characteristics of the "Master Seal 754"
waterproofing sheet in accordance with DIN EN 13967

| Values in accordance with DIN EN 13967 | | | | Requirement in accordance with DIN V 20000-202; Table 21 (BA; FPO) |
|--|---------------------|--------------------------------|---|--|
| Property | Test procedure(s) | Unit Type of result | Findings | |
| Water vapour permeability | EN 1931 | [m] and [kg/m ² ·s] | d: 0.83 mm (composite structure) g: 6.23·10 ⁻⁹ (kg/m ² ·s) μ: 79000 s _D : 65 m | N/A |
| Compatibility with bitumen | EN 1847 and EN 1928 | [-] passed | watertight to 60 kPa ⇒ passed | watertight to 60 kPa ⇒ passed |
| Fire behaviour | EN 13501-1 | [-] Class E | Class E | Class E |
| Length | EN 1848-2 | [m] | x = 5.0 m | N/A |
| Width | EN 1848-2 | [mm] | x = 1,003 mm | N/A |
| Thickness | EN 1849-2 | [mm] | Total thickness x = 1.55 mm Thickness of sealing layer x = 0.83 mm | ≥ 1.2 mm |
| Mass | EN 1849-2 | [g/m ²] | x = 895 g/m ² | N/A |
| Straightness | EN 1848-2 | [mm] ≤ 75 passed | ≤ 75 mm passed | ≤ 75 mm passed |
| Visible defects | EN 1850-2 | no visible defects | no visible defects | no visible defects |

N/A: not applicable

x = mean value, d = thickness

μ = water vapour diffusion resistance factor, g = moisture flow water tightness, sd = diffusion-equivalent air layer thickness



Annex 3: Identified properties and characteristics of the “Master Seal 754” waterproofing sheet in accordance with additional tests

| Property | Test procedure(s) | Findings |
|--|---|---|
| Water tightness of the sheet against water in liquid phase | DIN EN 1928 procedure B with 500 kPa over 72 hrs. | watertight to 500 kPa |
| Water tightness of the joint seams or adhesive seams against water in liquid phase | Test in line with DIN EN 1928 procedure A; Joint or adhesive seam positioned centrally under a pressure cylinder \varnothing 30 cm; Water pressure: 100 kPa over 72 h | T-joint: watertight Longitudinal seam: watertight Cross-seam: watertight |
| Shear resistance of the joint seams as delivered | DIN EN 12317-2 Test specimen 50 mm x 360 mm $v = 100$ mm/min Free clamping length: 200 mm Seam width: 100 mm Test climate: DIN EN ISO 291-23/50-2 | <u>Longitudinal edge (self-adhesive seam)</u> Shear resistance [N/50mm] $x = 174$ $s = \pm 2.44$ Shearing in the adhesive seam <u>Butt seam (created with sealing tape)</u> Shear resistance [N/50mm] $x = 111$ $s = \pm 1.72$ Shearing in the adhesive seam |
| Shear resistance of the joint seams after water ageing | DIN EN 12317-2 Test specimen 50 mm x 360 mm $v = 100$ mm/min Free clamping length: 200 mm Seam width: 100 mm Test climate: DIN EN ISO 291-23/50-2 Storage temperature: 50 °C Storage period: 28 d 24 hrs Conditioning 23/50 | <u>Longitudinal edge (self-adhesive seam)</u> Shear resistance [N/50mm] $x = 218$ $s = \pm 3.66$ Shearing in the adhesive seam <u>Butt seam (created with sealing tape)</u> Shear resistance [N/50mm] $x = 143$ $s = \pm 3.58$ Shearing in the adhesive seam |
| Test of prevention of water running behind in the event of damage | Test in line with DIN EN 1928 procedure A; Damaged area positioned centrally under a pressure cylinder \varnothing 50 cm; Test on composite body Substrate: Concrete C 20/25 (28d) Water pressure: 500 kPa Test period: 7 d or 28 d | <u>Test period 7 d:</u> - watertight, - no lateral water penetration into the boundary layer: watertight <u>Test period 28 d:</u> - watertight, - no lateral water penetration into the boundary layer: watertight |

x = arithm. mean, k = min. value, g = max. value



| seq. No. | Declaration of conformity Conformation by the executing company | |
|-----------|---|---------------------------------------|
| | <p>With this declaration of conformity, the user of the construction method confirms that the construction method is implemented in compliance with the provisions of the general building authority test certificate and that the products used comply with the provisions of the general building authority test certificate.</p> <p>1. Project:</p> <p>2. Area of use: Waterproofing of structures – External waterproofing of floor panels in contact with the ground and concrete outer wall surfaces against soil moisture (capillary water, retained water), non-standing and standing seepage water, as well as pressing water up to an immersion depth of 20 metres of water.</p> <p>3. Waterproofing using: "Master Seal 754" waterproofing sheet, moisture barrier</p> <p>4. General building authority test certificate: P-1200/593/17-MPA BS of 01/02/2017</p> <p>5.a Holder of the general building authority test certificate: BASF Türk Kimya San. Ve Tic. Ltd. Sti Mete Plaza Icerenköy Mah. Bahcelerarasi Sk. No. 4334752 - ATASEHIR/Istanbul Türkei</p> <p>5.b Executing company:</p> <p>5.c Construction period:</p> | |
| | | Confirmation (by initials) |
| 6. | The expert personnel of the executing company have been informed about appropriate installation of the product by the holder of the general building authority test certificate. | |
| 7. | The product was used to produce a waterproofing system in accordance with the provisions of the above-mentioned general building authority test certificate for the scope of application specified therein in accordance with 1.2. | |
| 8. | The application provisions for the product and the requirements for the implementation of the waterproofing were complied with in accordance with the details in the general building authority test certificate. | |
| 9. | <p>The following tests and checks were performed during installation and on the finished product:</p> <ul style="list-style-type: none"> - Visual inspection of the base for compliance with the requirements - Visual inspection of the waterproofing before installation of the reinforcement - Visual inspection of the waterproofing before concreting - Visual inspection of the waterproofing before application of additional protective layers - Test of the 7d adhesive strength in accordance with DIN 1048 at room temperature (Haul-off speed: 100 N/s) for compliance with the minimum requirement of 0.15 N/mm² established value: <p>.....</p> <p>.....</p> | |
| Comments: | | |



Date

Signature and stamp of the executing company