Technical Specification Sheet

GUTTAPRAL BITUMEN ROOF SHEETS

ADVANTAGES

- Excellent dimensional stability
- In time, they develop a full intense colouring through the natural oxidation of the bitumen
- Extremely light and flexible
- Suitable for roofs without bricks, but also for covering existing roofs without having to remove them
- They ensure proper roof ventilation, eliminating humidity and condensation
- Resistant to external agents and to acids
- Asbestos-free
- 15-year warranty on the waterproofing*

*If laying instructions provided by the company is carefully complied with.

PREPARING THE SUPPORT SURFACE

NEW ROOF

You can use a continuous or discontinuous load bearing surface. In this case, you can use a batten with centre to centre distance depending on the load that the roof has to bear, using 60 x 60mm laths:
Snow load of up to 90kg/m² - centre to centre distance 62cm
Snow load of up to 200kg/m² - centre to centre distance 46cm
Snow load of up to 350kg/m² - centre to centre distance 31cm

ROOF UNDER RENOVATION

Thanks to their flexibility, the sheets can adapt to slight defects in the planarity of the support surface. Nevertheless, prior to the laying you need to make sure that such irregularities allow for the sheets and the overlaying roofing layer to be properly installed. In addition to the planarity, also make sure that there are no rough areas with concentrated irregularities that can damage the sheets and compromise their efficiency. Moreover, the hooks used to secure the gutters must be positioned beforehand at the ends of the gutters, and specifically underneath.

TIMBER TREATMENT

Prior to laying the sheets, it is recommended to impregnate all the timber that makes up the roof frame which supports the roof with an insecticide and fungicide treatment on all the timber surfaces, in order to extend its useful life.

LAYING THE SHEETS

When laying the sheets, always start from bottom corner of the roofing, on the opposite direction of prevailing winds. The sheets must be laid parallel to the eaves, moving up stepwise towards the ridge.

OVERLAPPING

Lateral overlapping: one wave transversal overlapping: 15cm.

FIXING THE SHEETS

The sheets are secured by means of nailing, using zinc-plated nails. Two rows of nails are driven in, parallel to the direction of the transversal overlapping at the end of each side of the sheets, always inserted from the top of each wave. Other row of nails are driven in every third wave, always at the head, at the support laths. In case of a reinforced concrete slab, on the other hand, fix the sheets using the special hook, using 4 to 6 hooks per sheet, with steel nails. Proceed in the same manner for the covering of existing roofs.

VENTILATION

To ensure excellent roof ventilation, avoid obstructing the ridge by making sure that the sheets end at least 5cm from the ridge itself, thus allowing the air to flow through from the eaves, through the grids and up to the rooftop. This constant flow of air avoids the proliferation of mould and mildew, and the formation of condensate.

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Manufacturers and suppliers of
Bituminous waterproofing products
VAT No. GB 591098319

Declaration of Performance Nr. F/0100/1306

1	Unique identification code of the product-type:	**Bituminous Corrugated Sheet**
2	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):	**Bituminous Corrugated Sheets of Category R „Guttanit“, „Gutta Do It“, „Guttapral“**
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	**Bituminous Corrugated Sheets for roofing and wall cladding**
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):	**Gutta Italia Srl. Via L. Mascheroni, 4 I - 20123 Milano (MI) www.gutta.com**
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	**not relevant**
6	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	**System 4**
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard:	**Accredited Testing Authority for Materials, University Karlsruhe (KIT)** performed **the initial inspection and material testing** under system **4** and issued **certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation**
8	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	**not relevant**

9 Declared performance:

Essential characteristics	Performance	Test standard	Harmonised technical specification
Bending under downward load	**> 1400 N/m^2**	EN 534 – Section 5.2.1	**DIN EN 534:2010-07**
Impact strength	**400 mm**	EN 534 – Section 5.2.2	
Tearing strength	**> 200 N**	EN 534 – Section 5.2.3	
Water impermeability	**waterproof**	EN 534 – Section 5.3.1	
Tearing strength after Freeze/thaw ageing	**NPD**	EN 534 – Section 5.4.1	
Water impermeability after Freeze/thaw ageing	**waterproof**	EN 534 – Section 5.4.2	
Thermal coefficient	**α < 100 x10^{-6} 1/K**	EN 534 – Section 5.4.3	
Reaction to fire	**E**	EN 534 – Section 5.5.1	**EN 13501-1**
External fire performance	**F**	EN 534 – Section 5.5.2	**EN 13501-5**
Dangerous substances	**NPD**		

10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Filago, dated 24.06.13

Nicola Bianchi – managing director

CE

EC declaration of conformity

The manufacturer

Gutta Werke GmbH
Bau- und Heimwerkerprodukte
Bahnhofstraße 51-57
D - 77746 Schutterwald

hereby declares in accordance with § 9 of the German Construction Products Directive (implementation of the Construction Products Directive 89/106/EEC) that the

corrugated bitumen sheets
for roofing and external wall cladding

type: guttapral
category R

produced at:

Filago plant
Via delle Industrie 4
I - 24040 Filago

meet the standards of EN 534:06 and satisfy the requirements for CE labelling in accordance with Annex ZA 1.1 or ZA 1.2 of EN 534:06.

System four in table ZA 3.3 was used for the conformity check.
The product is subject to the plant's own production checks.

Schutterwald, 18.04.2008

ppa Friedrich Kiefer