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GUTTABETA STAR 320kN

guttabeta® Star is the dimpled membrane in HDPE for the protection and drainage of construction works and for building efficient and low-cost airgaps.

guttabeta® Star offers many advantages during the construction processes:

- It creates a perfect ventilation and excellent separation between the walls and the humidity rising from the soil thanks to the 1860 star-shaped studs per square meter and to an air volume in the channels created between the studs, which is equal to approximately 5 l/sqm.
- When laying the slabs, **guttabeta® Star** replaces the traditional layer of lean concrete, allowing for huge savings in terms of costs and laying time, the elimination of additional excavations and increased labor efficiency.
- In engineering works and underground constructions, **guttabeta® Star** ensures excellent draining and the channeling of large amounts of water even in the most difficult conditions.
- **guttabeta® Star** is available in rolls of different heights: simply unroll it and fasten it with the special plugs and fixing buttons or weld it with hot air welding device.



Banca Intesa San Paolo S.p.A.
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| Star 320 kN | |
|-------------------------------------|--|
| Material | High density polyethylene (HDPE) |
| Colour | Black |
| Certificated compression resistance | 320 kN/m ² (32 t/m ²) ca. |
| Studs height | 7 mm |
| Studs per m ² | 1860 approx. |
| Air volume between studs | 5 l/m ² approx. |
| Drainage capacity | 4,6 l/s/m |
| Thermal stability | from -40°C to +80°C protect from UV rays |
| Combustion class | F - DM 15/03/05 |
| Rolls size (m) | 1,0 x 30 - 1,5 x 30 - 2,0 x 30 2,5 x 30 - 3,0 x 30 - 3,5 x 30 4,0 x 30 |
| Rolls per pallet | from 1,0m: 24 rotoli from 1,5 to 4,0m: 12 rotoli |
| Dimensional tolerance | ± 4% |



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