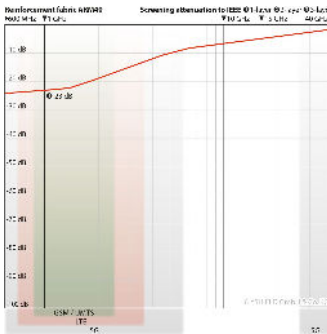


YSHIELD® ARM40 | Reinforcement fabric | Width 100 cm | 1 meter

Reinforcement fabric as universal standard product (e.g. in ETICS, under plaster, loosely laid). 23 dB. Interior and exterior. Width 100 cm.



YSHIELD GmbH & Co. KG
Rotthofer Straße 1
94099 Ruhstorf, Germany
Further information:
www.yshield.com,
info@yshield.com

Properties

ARM40 is a **non-slip, dimension stable glass fibre mesh** for an extensive shielding of high frequency (HF) and low frequency electrical (LF) fields.

- One product for reinforcement in a thermal insulation system as well as shielding
- Patented glass fibre mesh with stainless steel threads woven into it
- The glass fibres are reliably protected against alkaline attacks in the plaster system by a high-quality finish
- Electrically conductive surface for easy grounding
- **Audited and certified according to ETAG 400**

Application

Can be used as reinforcement fabric on the exterior **in a thermal insulation system** under plaster or on the **interior** under plaster. Furthermore, for **loose laying** in the roof area, underneath attached facades, underneath floor coverings, etc.

Processing

The processing of the shielding mesh is identical with the application of conventional glass fibre fabric. Needs to be pressed non-porously and wrinkle-free into the freshly spread reinforcing mass, then levelled out.. The mesh needs to lie in the upper third of the reinforcing mass and be completely covered by it. The overlapping between the panels needs to be 10cm. The overlapping needs to be ensured at corners of a building, too. Building openings (windows, doors) require a diagonal reinforcement with fabric strips. Has the mesh been cut in (e.g. in the area of scaffolding anchors), an additional fabric strip needs to be placed above the cut. **For grounding, the stainless steel tape GSS25 must be screwed securely onto the underground across/with all panels.**

Technical data

- **Width: 100 cm**
- **Length: By the meter / 50 m roll**
- **Attenuation: 23 dB**
- Weight: 180 g/m²
- Material thickness: 0,45 mm
- Color: Schwarz
- Mesh width: 3,5 x 4,0 mm
- Tensile strenght max.: 1750 N/5 cm (warp and woof)
- Elongation max.: 3,9 % (warp and woof)
- Materials: Glas filber, stainless steel fibers, latex coating

Grounding

This product with an electrically conductive surface **has to be integrated into the functional-equipotential bonding (FEB)**. Please find suitable grounding accessories under "Grounding".

Shielding attenuation HF & LF

This product **shields high frequency electromagnetic fields (HF)**. Unless otherwise stated, the indicated dB-values apply to 1 GHz. Measurement from 600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006.

This product with an electrically conductive surface **shields low-frequency alternating electric fields (LF)**.

Laboratory & expert report of shielding attenuation up to 40 GHz

We have already invested in our **own professional EMV laboratory** years ago. We not only use it to create our laboratory screening reports but also to check each batch daily. Additionally, we have all our products checked by an **independent, well-respected expert**. Double checked for twice the safety. **Please find the reports above at the downloads.**