

## REVERBERATION TENT with Cu-Ni metalized fabric by GTEMCELL



### Reverberation Tent

The GTEMCELL reverberating tent is a variation of the traditional reverberating chamber: the ideal and cost-efficient solution to test e.g. vehicles per IEC 61000-4-21, with the fullest flexibility.

The GTEMCELL reverberating chambers are highly customized.

The reverberating tent is following the principle of the vibrating intrinsic reverberation technique (VIRC), so that the tent generates multiple inter-reflections emitted by an energized antenna.

### Features

Integration into any kind of EMC chamber or Open site.

Easy and quick installation by hanging and lifting to the ceiling support system

Variable Shake assisted system

Ventilation and exhaust integrated option

Tent storage: transport container

Shielding attenuation acc.to IEEE St. 299

Turnkey solution

### Typical Specifications

External dimensions: Any size is possible

Frequency range: from 80MHz to 80GHz and over

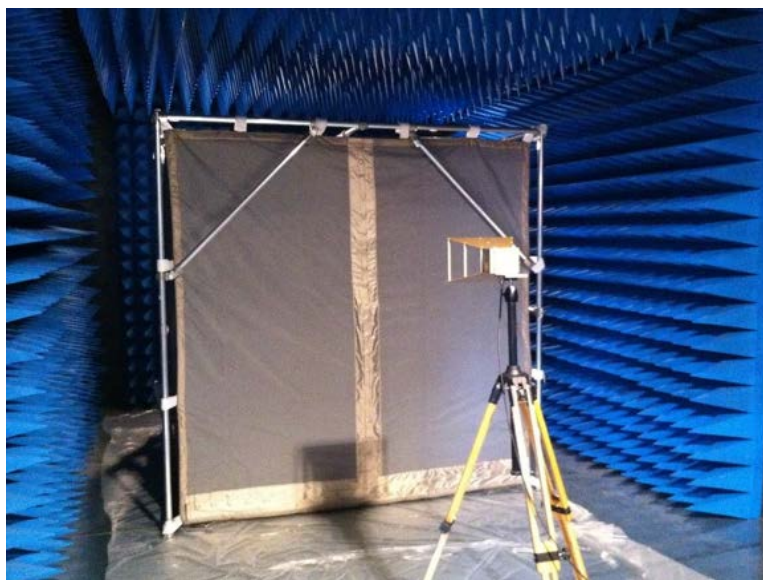
Shielding Effectiveness IEEE Std. 299

60-75 dB from 30 MHz to 1,5 GHz

80-100 dB from 1,5 GHz to 10,0 GHz

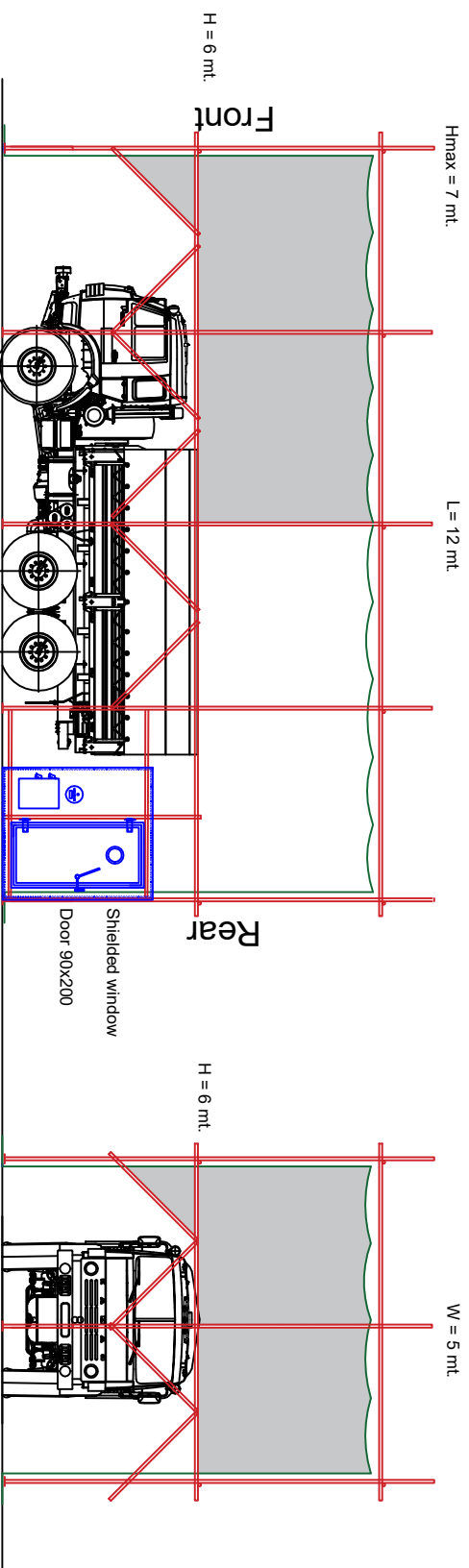
Material: Cu-Ni Polyester metalized fabric 0,1 mm (Optional Cu-Ag)





# REVERBERATION TENT

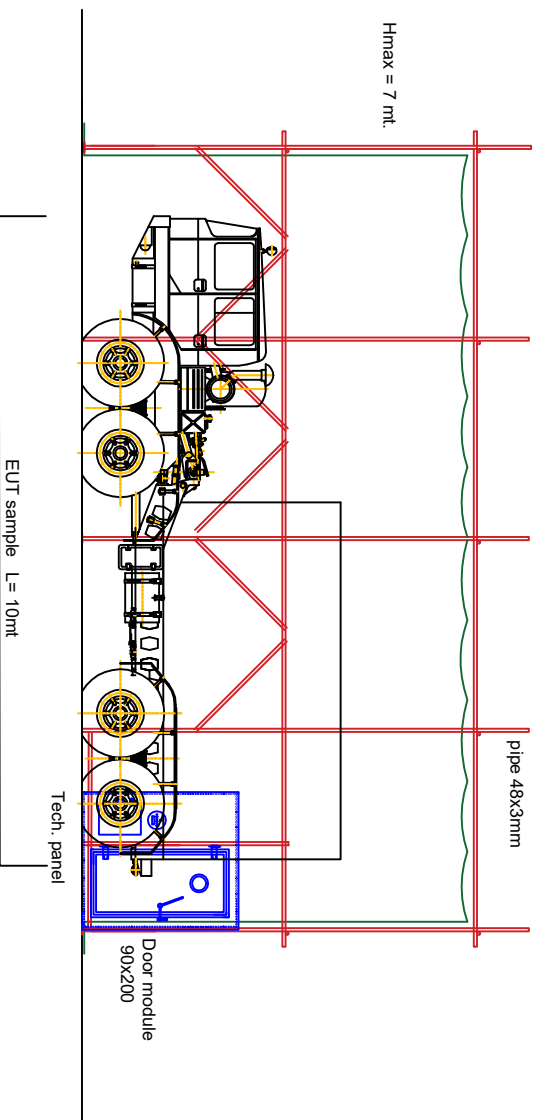
Side view



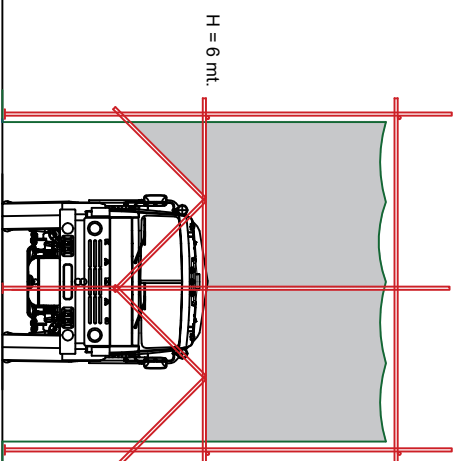
Ltot = 12 mt

pipe 48x3mm

Hmax = 7 mt.



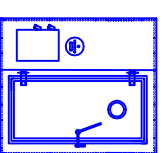
Rear view



EUT sample W= 2,7mt

Tech. panel  
AC Filter Box  
230V/36A  
450V/36A

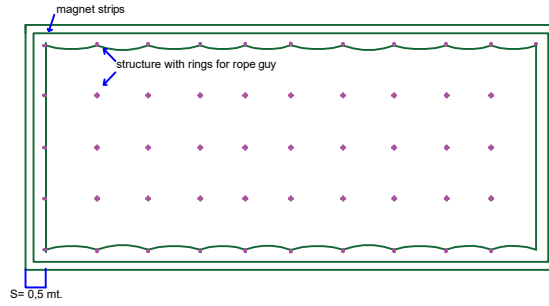
Door module in Aluminum 2mm



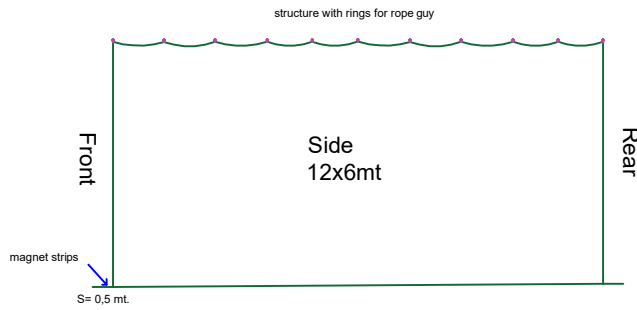
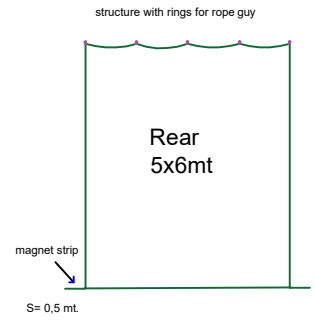
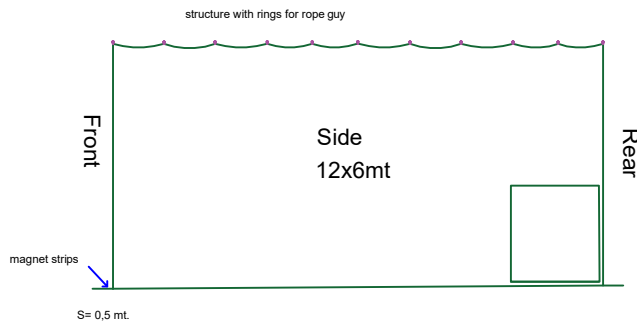
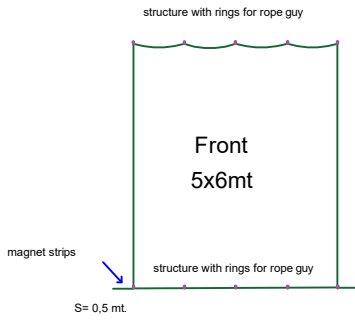
Tech. panel  
AC Filter Box  
230V/36A  
450V/36A

TENT IN METALIZED Cu-Ni FABRIC

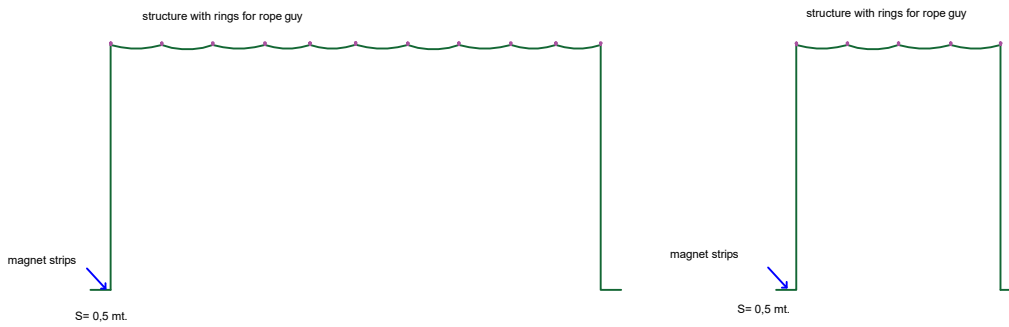
PLANT



VIEWS: front, side, back side, rear

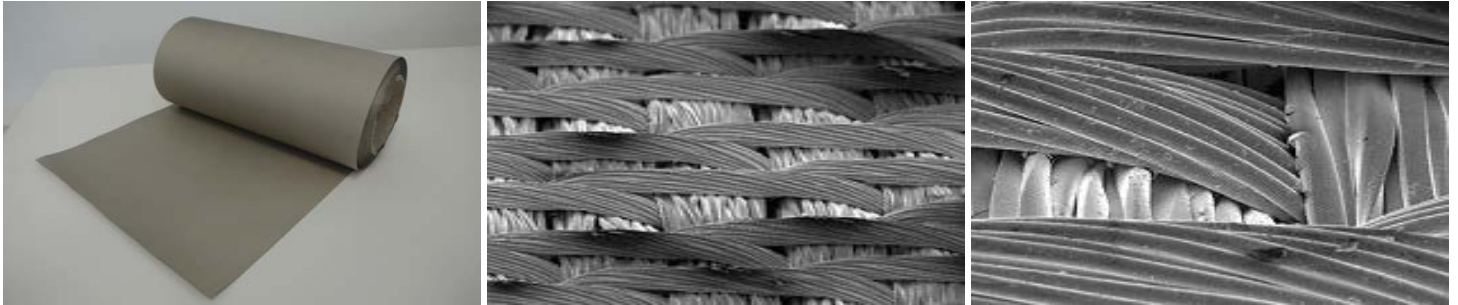


SECTION



# TECHNICAL DATA SHEET

**PRODUCT** EMI shielding fabric  
**CODE** 80.10027-00  
**P/N** T.1100.SC.NICU.NA



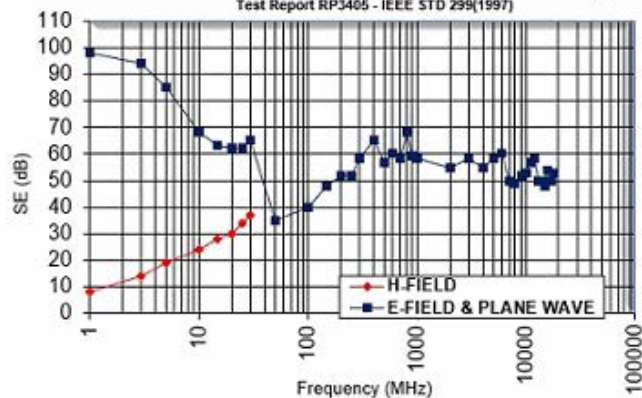
## MATERIAL SPECIFICATIONS

Material code: 80.10027-00 - T.1100.SC.NICU.NA

DATA	VALUE
DESCRIPTION	Electrically conductive fabric
APPLICATIONS	Base material for room shielding, base material for EMI/RFI applications
TYPE OF FABRIC	Nickel Copper coated fabric
THICKNESS (mm)	0,23 +/- 0,02
TYPE OF RAW MATERIAL	Polyester fabric
MAX SURFACE RESISTIVITY (Ohm/sq)	0,1
COATING COMPONENT	Cu+Ni
TEMPERATURE RANGE (°C)	-40 to 90
TOTAL WEIGHT (g/mq)	150 +/-20
FLAMMABILITY RATING	NA
SHIELDING EFFECTIVENESS	

### SHIELDING EFFECTIVENESS (1 MHz - 18 GHz)

Test Report RP3405 - IEEE STD 299(1997)



### SAFETY DATA

The product is considered "article" according to REACH (Reg. 1907/2006), so it's not subject neither to the obligation of safety data sheet, nor of Classification and Labelling according to Reg 1272/2008 (CLP).

Use gloves to handle and avoid contact with irritated or injured skin



We kindly propose our EMC tent

Code	Description	Unit	Quantity	Delivery time	Unit Price (euro)
	<p>GTEMCELL EMI TENT                      Tenda a 1 strato, Tessuto metallizzato in rame nichelato</p> <p>Dimensioni tenda:                      12 Mt lunghezza x larghezza 5 Mt x 6 mt                      Altezza. Senza pavimento                      Porta a U 6x6m,</p> <p>Modulo Porta 2x2,2m(porta di servizio da 0,9 x2 mt)</p> <p>Telaio tubolare Diam.48x3mm Come da Disegno</p> <p>Sistema di motorizzazione N.6 vibratori a velocita' variabile inclusi, supporti elastici                      Borsa di trasporto</p>	NR	1	4-5 weeks	<b>58.000€</b>
	Pavimento in lamiera di acciaio zincato	Nr	1	/	<b>Da definire</b>

Supply conditions :

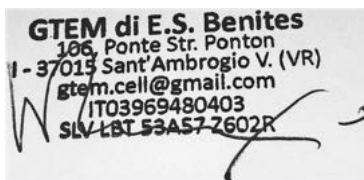
- Validity quotation: 30 days
- Transport: at your charge
- Payment: T/T 50% advance 50% 30 days to Bank Unicredit Spa

BIC/SWIFT: UNCRITM1D32, IBAN:IT24W0200859822000104723097

in favour of: Gtem di E.S.Benites

Please, do not hesitate to contact us for any further information. We are looking forward to hear from you soon

Best Regards



Ai sensi della Legge 196/2003 i Vostri dati anagrafici sono stati inseriti nella nostra banca dati per fini amministrativi, commerciali ed obblighi di legge.

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