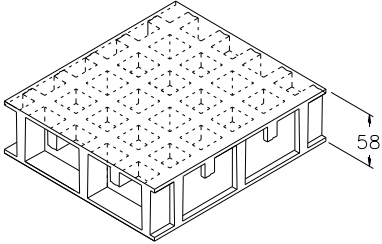




Channel coverings, inside width mm 800

Grating type SCH 52/52DC_IFR

Document: VC03-SCH52/52DC REV. 00	
	Grating type: SCH52/52DC
	LOAD 5000 daN – channel open span mm 800
Material:	FRP – made with polyester resin reinforced with continuous glass fibers placed in both directions in equal percentage. Direct roving glass fiber type “E”, mat and lath. Inorganic fillers without halogens.
Mesh:	main mm 52x52 – secondary mm 26x26
Beam height:	mm 52
Beam thickness:	mm 5-7
Cover plate:	Double cover with mm 3 thickness plates
Total height:	mm 58 (52+3+3)
Color:	Gray RAL 7004 – mass colored and varnished with polyurethane paint
Surface finishing:	antiskid finishing on one plate made with quartz level R13V4 according to DIN 51130 norm
Distance between supports (inside channel dimensions)	mm 800
Deflection break download with center line load:	>15000 daN
Mechanical and durability characteristics determined and tested according to the norms:	-DIN 24537-3: Gratings used as floor covering – part 3 -EN 1990:2004/A1:2006: Eurocode – basis of structural design
Reaction to fire:	SELF EXTINGUISHING according to: norm EN 13501-1_2007 level B_{f1} – s1 norm ASTM E84-98 spread ≤ 25 norm AFNOR NFP 92-501 level M2 norm DIN 4102 -14 level B2
Resistivity and RS surface and Rt transversal electric resistance:	norm EN 61340-2.3 par. 8.1 e 8.2 ref. to ISO 1853, IEC 60167, HD 568 S1 – excellent insulator according to the safety norms
Resistivity and safety electric resistance to ground human body model	norm IEC 61340-4-5- CEI 64-4/8/6 par. 6.12.5 – IEC 60167 – HD 568 S1: excellent insulator according to the safety norms
Dielectric strength with rated voltage:	norm ASTM D 149-97a: very low current absorption, according to the safety norms
Ageing resistance:	Ageing test made with UV lamp according to ASTM G154-06 and passed with 5 points on the gray range and without evident defects
Exposure test to heat, cold and humidity cycles:	According to UNI EN ISO 9142/04 norm (n.21 cycles type D3) passed without evident defects.



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VC03 SCH52/52DC

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Rev. 0

AZIENDA CON SISTEMA DI GESTIONE
PER LA QUALITÀ CERTIFICATO DA DNV
= UNI EN ISO 9001:2008 =