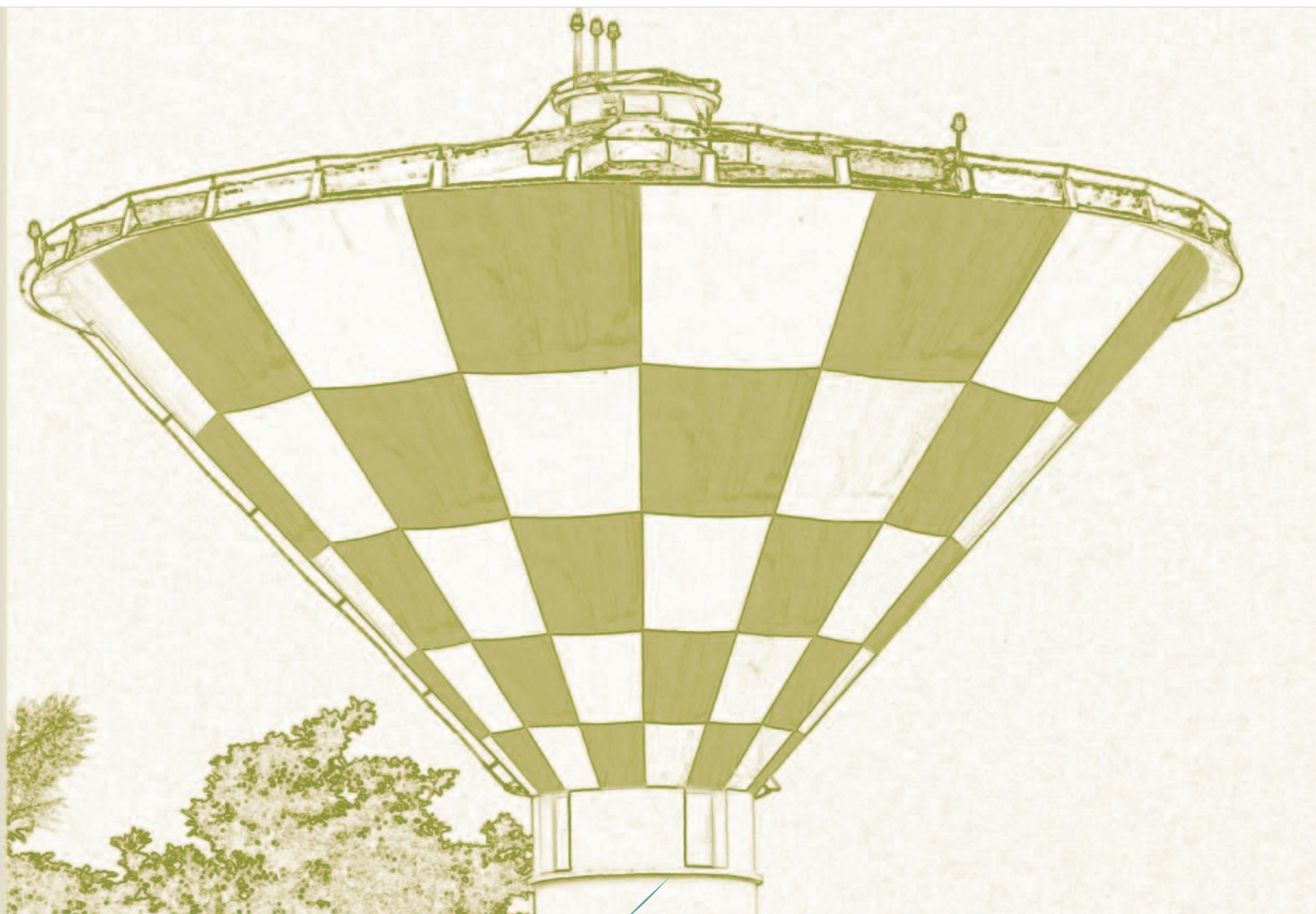


flexine S



FLEXINE

DATA SHEET

 **CASALI**

FLEXINE S

CHARACTERISTICS

Synthetic waterproofing membrane produced by the coextrusion of modified polyolefin reinforced with glass mat; its high resistance to breakage and perforation, roots and micro-organisms (fungi and

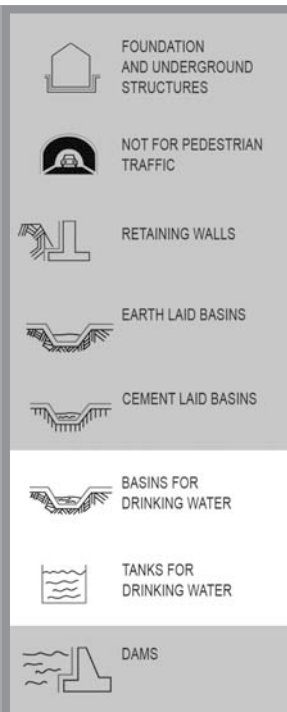
bacteria) are the result of the special formula of the basic polymer, the production technology and quality control procedures used.

USE

Applied as a single layer FLEXINE S is used to waterproof tanks and reservoirs used for foodstuff liquids and/or drinking water after laying a separation, creep and protection layer. The membrane should be laid and welded only by skilled staff; the complete design of the laying system and structural details by the Casali Technical Office and the specific characteristics of the material, ensure waterproofing that is sure to enhance the security and value of the hydraulic system over the years.

SPECIFICATIONS

Application of a waterproofing membrane by dry laying a ... mm polyolefin membrane FLEXINE S with glass mat reinforcement produced by Casali S.p.A. complying with applicable directives on materials in direct contact with foodstuffs and drinking water. The values of the characteristics requested are shown by the technical data sheet. The joint seams must be hot welded by a manual and/or automatic welding machine by a skilled welder holding the qualification certificate issued by the manufacturer. The membrane should be anchored at the top and at the base of the walls, at the corners and at each change of direction of the laying surface by welding galvanised steel profiles covered with the same material, previously anchored to the laying surface with toggle bolts. Flanges and counter flanges should be used to connect the drain pipes, overflow etc.



	U.M.	1,5	1,8	2,0	2,4
Thickness (UNI EN 1849-2)	mm	1,5	1,8	2,0	2,4
Air mass (UNI 1849-2)	Kg/sq.m.	1,5	1,8	2,0	2,4
Width UNI EN 1848-2	ml	2,0 m	2,0 m	2,0 m	2,0 m
Length UNI EN 1848-2	ml	20,0 m	20,0 m	20,0 m	20,0 m
Rectilinear UNI EN 1848-2	mm	g <= 50	g <= 50	g <= 50	g <= 50
Flatness DIN 16726/5.2	mm	p <= 0	p <= 0	p <= 0	p <= 0
Tensile strength (L/T) UNI EN 12311-2	N/50mm	> 1000	> 1000	> 1000	> 1000
Elongation at break	%	>500	>500	>500	>500
Flexibility at low temperatures (UNI 495-5)	°C	-40 °C	-40 °C	-40 °C	-40 °C
Static punching on soft support (UNI 8202/11)	PS	5	5	5	5
Dynamic punching on rigid support (UNI 8202/12)	PD	3	3	3	3
Waterproofing (UNI EN 1928)	6h at ,5MPa	conforms	conforms	conforms	conforms
Resistance to roots (UNI 8202/24)	-	FLL	FLL	FLL	FLL
Resistance to simulated adverse weather conditions and UV rays (UNI ISO 4892)	h	5000	5000	5000	5000
Resistance to hail (SIA 280/8)	m/s	>25	>25	>25	>25
Compatibility with foodstuffs	-	conforms	conforms	conforms	conforms
Vapour diffusion coefficient (DIN 16726 5.15)	μ	<90000	<90000	<90000	<90000

Casali's Technical Office offers a consulting service, assistance and information on the correct use of the products. Phone +39 071 9162095 infotecnica@casaligroup.it

CASALI spa - z.i. C.I.A.F. 60020 Castelferretti (AN) ITALIA phone +39 071 9162095 fax +39 071 9162098 www.casaligroup statf@casaligroup.it



FLEXINE S