





Sleeve SA10/ESP Patented MasterSan™

Insulating sleeve produced with exclusive technology by TECNICA SRL made of:

- Addivated polyolefin resins film with anti-bacterial and anti-mildew master.
- Thermo-insulating coating in netted and closed-cell of polyethylene foam.
- External protection in addivated polyolefin resins film.

The assembly of materials for the construction of the flexible conduit does not require the use of chemical agents, glues or adhesives.

MasterSan™ in collaboration with:



TECHNICAL SPECIFICATIONS AND USAGE LIMIT						
COLOR	LENGTH	WORKING TEMPERATURE	PRODUCTION DIAMETERS	AIR SPEED	PRESSURE	CURVATURE RADIUS
Grey	10m standard	-20° + 90°C (peak +115°C)	from 40mm to 254mm	max 20m/sec	max 200 mmH ₂ O	1,2 - 1,8 x Ø

PRODUCTION DIAMETERS									
40*	51	63	70	76	80	90*	102	110*	121*
127	133*	140*	152	160	165	180	203	254	

*Diameters available on request
Diameters other than those indicated are available by prior feasibility check.

CERTIFICATIONS

SANITIZATION		FIRE REACTION	
 SANITIZED TECHNOLOGY MasterSan™ is produced with new generation polyolefin film with the addition of “Sanitized Antibacterial” active ingredient capable of reducing the microbial and bacterial load presents inside the ducts and conveyed by the air, for the environment and man’s safety.  NO BACTERIA NO MILDEW	IT	Class 1 (D.M. 26/06/84)	
		Class B-s2, d0 (EN 13501-1:2009)	

 Count tests: JIS L 1902 Testing the antibacterial activity and efficacy on textile products Country / Year: Japan / 2002 Test item: 7 days, 4 days pre-treatment incubation. Field of application: Hygienic materials like textiles, (non-wovens, fabrics) Sample size: Five specimens with 0.4 g in a standard determination Scope: This method is applied for the quantitative determination of the antibacterial effectiveness of non-volatile active substances. Abstract: Specimens are contaminated with a standard number of a given micro-organism (inoculum). After incubation for 18 hours at 37°C, the micro-organisms on the test material are washed off with a defined amount medium. The number of colony-forming units (cfu) is determined and expressed logarithmically. From the number the antimicrobial effect can be calculated. Test assessment: Evaluation is based on the difference in bacteria count (in terms of cfu) between zero and 18 hour contact with the test material. Germ reduction (bacteriostatic activity) is given as logarithmic and proportional value. Test Organisms: Staphylococcus aureus ATCC 6538 Escherichia coli ATCC 12228 Pseudomonas aeruginosa ATCC 4352 Explanation of the bacteriostatic activity: 0.0%: germ growth, insufficient antibacterial effect 0.1% to <0.9%: no significant germ reduction, resultant antibacterial effect >0.9%: Significant germ reduction, good antimicrobial effect. |

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica srl contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
IP, EA, MR



WELL

Contributes to credits:
MATERIALS, COMMUNITY



BREEAM

Contributes to credits:
MAN, ENE, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Smooth surface	EasyPack	Mold resistant	Microorganism Resistant	REACH Certifie	RoHS Certifie	Building

TESTS PERFORMED

TEST	METHOD	OUTCOMES
Resistance to aggression by chemical agents	Test performed on non-insulated SA10/ESP duct - Application on the external surface of the specific chemical agent and check for any changes after 48h.	ETHANOL No modification and/or damag
		AMMONIA No modification and/or damag
		HIGH CONC. DEGREASER No modification and/or damag
		COOLANT FLUID No modification and/or damag
Maximum operating temperature peak	Test performed on non-insulated SA10/ESP duct - Identification of the maximum temperature peak bearable by the duct and all its components.	+115°C no longer than 2min.