



# TECH TELISOL 5.0 QN

## Nuclear-quality-designed special white glass mineral wool blanked stitched on stainless wire mesh

TECH Telisol 5.0 QN is the special thermal insulation solution designed to meet the tough requirements of the nuclear power industry for insulation inside the nuclear island. It can be used for insulation of the heat exchanger and steam pipes.

TECH Telisol 5.0 QN provides premium thermal insulation and keeps its performance long-term even when exposed to mechanical stress due to an elastic fiber structure. TECH Telisol is almost free of organic content, does not contain corrosion-supportive ions and is stitched with a yarn on austenitic stainless wire mesh to allow flexible bending. When upheated, the product can expand and fill possible gaps and joints.

### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

5.

4. standard plus

3. standard

2. classic plus

1. classic



#### NUCLEAR PLANT QUALITY

Especially designed and certified for use in nuclear applications



#### ENERGY EFFICIENCY

Premium thermal insulation performance at medium to higher service temperatures up to 350°C



#### FAST INSTALLATION

Flexibility, light weight and compressibility helps to handle and install the product easier and faster



#### FIRE REACTION

Non-combustible, Euroclass A1 for effective fire protection on industry sites



#### HIGH FLEXIBILITY

Highly-flexible with almost no binder or other organic, keeping elasticity over full operational life-time



#### ENVIRONMENTAL PROTECTION

Its Premium thermal performance allows to reduce significantly energy loses, the use of natural resources and CO2 emissions



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES					STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	EN 12667 EN ISO 13787
	$\lambda$	[W/(m·K)]	0.038	0.045	0.052	0.062	0.083	
Thermal behaviour	T	[°C]	Maximum Service Temperature 350 (under 500 Pa)					EN 14706

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES					STANDARD
Reaction to fire	-	-	Non combustible; Euroclass A1 Fire Spread Index = 0; Smoke Development Index < 20					EN 13501-1 ASTM E84
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel Especially designed and certified for use in nuclear applications					ASTM C795/871
Application field	-	-	Product for use in technical applications, such as tanks and vessels, boilers and process equipment Especially designed and certified for use in nuclear applications					EN 14303
Material	-	-	Glass mineral wool surfaced with a stainless steel hexagonal mesh without binder With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC No 1272/2008 Note Q					CINI 2.1.02
Miscellaneous	-	-	Designation code : MW-EN-14303-T2-ST(+)-350 Storage: Bags to be stored indoors in a dry and clean place away from source of humidity					EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001					EN 14303 EN ISO 9001 EN ISO 14001

#### DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

THICKNESS D [MM]	LENGTH [MM]	WIDTH B [MM]	UNIT/PACK	M <sup>2</sup> /PACK
100	3,000	1,000	1 roll	3.00
50	5,000	1,000	1 roll	5.00
60	4,000	1,000	1 roll	4.00
80	3,000	1,000	1 roll	3.00

\* All dimensions require minimum order quantities / other dimensions on request.



#### [www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

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