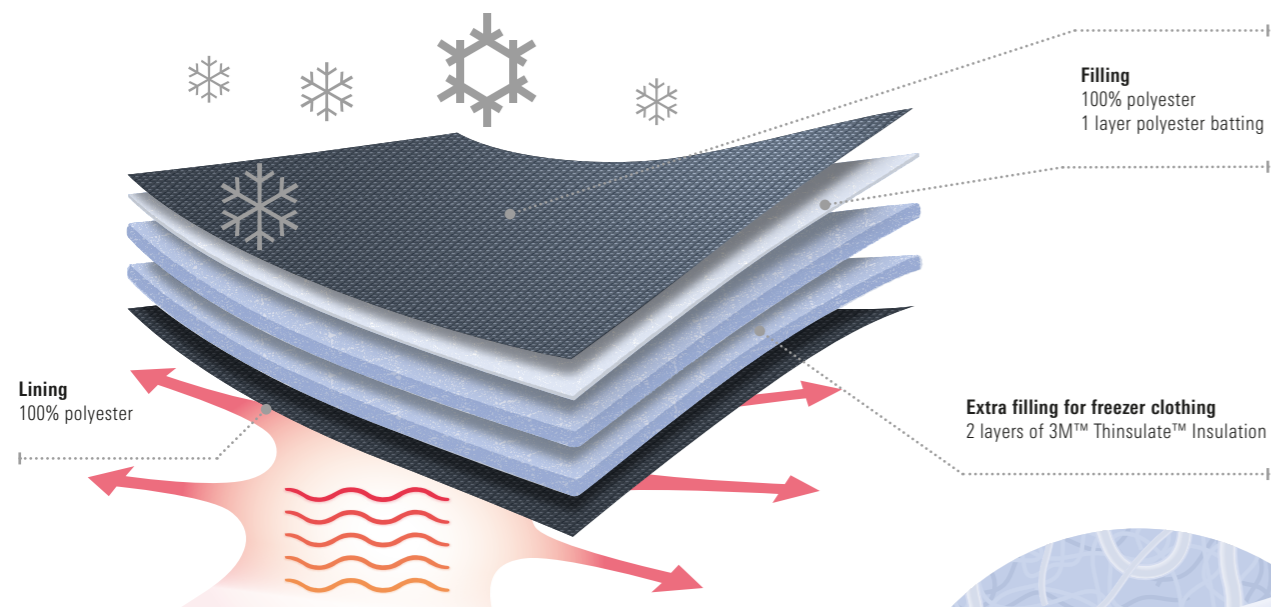


FOR HARD WORKERS WHO HANDLE THE ICY COLD

COLD STORAGE/ FREEZING FACILITY

 **PLANAM**
Fashion for your profession

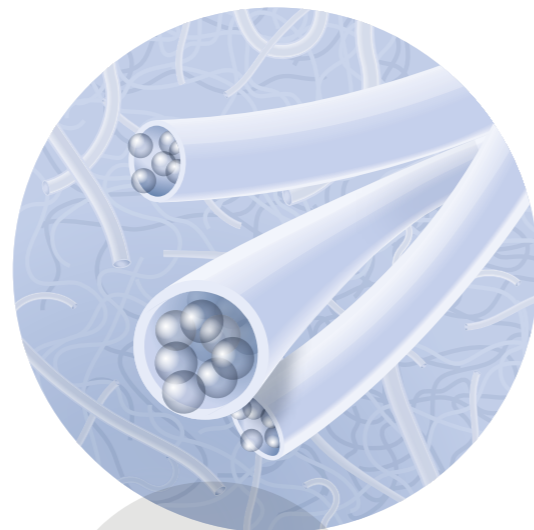
DRESS WARMLY, GET THE JOB DONE



Freezing cold down to -37°C – those working in a cold store or freezer facility every day need workwear with optimum protection against extreme sub-zero temperatures. Highly recommended: the PLANAM cold storage/freezer facility range.

Working in deep-freeze or cold-storage environments? Unthinkable without the right workwear! Effective thermal insulation is what's needed. Our certified solutions protect against freezing temperatures. This is guaranteed by the structure of the outer shell in our range: 100% nylon on the outside and 100% polyester and a layer of polyester padding on the inside. The result: a warming insulating layer that lies between the cold and the body. The use of high-quality insulating materials, as well as the certification of the thermal insulation according to EN 342, gives you the security of being protected in the best possible way in deep-freeze and cold-storage environments. Items for working in freezer facilities are additionally equipped with an innovative fibre technology called 3M™ Thinsulate™ Insulation. The special feature of the material: It consists of 2-layer hollow fibres that form a warming air insulation layer.

In addition, pockets with zips and flaps provide storage space and practical comfort. Our range is rounded off by its integrated feel-good factor – including elastic inserts and elastic bands for freedom of movement, fleece finishes on the collars and snug-fitting cuffs.



Warming hollow fibres
Air insulation layer thanks to modern fibre technology 3M™ Thinsulate™ Insulation



FULL GEAR, FULL PROTECTION

Indispensable for effective and certified thermal protection in arctic temperatures: the workwear must be worn combined as a suit.

Whether vest, blouson, dungarees or parka – PLANAM has the whole range. Ready to be worn as a suit, ready to fight the cold. This is how we meet the high quality and safety standards for certified workwear – for your protection. In addition, EN 342 specifies that appropriate head and hand coverings as well as suitable protective footwear must be worn.

The table provides information on the degree of protection. Basically: The higher the value of the insulation, the longer the protection against the cold. An example of a wearer carrying out a standing activity: An item with an insulation value of 0.47 protects against temperatures as low as -17°C for one hour and against temperatures as low as 3°C for eight hours. You will find the respective insulation value on the product pages.

Insulation I_{cl} m ² * K/W	Wearer carrying out a standing activity 115 W/m ²				Wearer carrying out a moving activity							
	Light 115 W/m ²		Moderate 170 W/m ²		Light 115 W/m ²				Moderate 170 W/m ²			
	Air velocity 0.4 m/s		3 m/s		0.4 m/s		3 m/s		0.4 m/s		3 m/s	
	8h	1h	8h	1h	8h	1h	8h	1h	8h	1h	8h	1h
0.265	13	0	19	7	3	-12	9	-3	-12	-28	-2	-16
0.310	10	-4	17	3	-2	-18	6	-8	-18	-36	-7	-22
0.390	5	-12	13	-3	-9	-28	0	-16	-29	-49	-16	-32
0.470	0	-20	7	-9	-17	-38	-6	-24	-40	-60	-24	-43
0.540	-5	-26	4	-14	-24	-45	-11	-30	-49	-71	-32	-52
0.620	-10	-32	0	-20	-31	-55	-17	-38	-60	-84	-40	-61



EN 14058:2017 protective clothing against cool environments
Protection of the body from local cooling in moderately low temperatures

Extended back part
Kidneys and lower back remain protected



Fleece finish on the neck
For pleasant wearing comfort


EN 342:2017 Protective clothing against cold
According to EN 342, optimum protection is only guaranteed if the garments are worn as a suit (parka – dungarees; blouson – dungarees).

Snug-fitting cuffs
This keeps the cold out

Optimum air permeability
The entire collection has undergone the EN 342 test procedure, which tests both thermal insulation and permeability to cold air. According to their air permeability, all items are marked with class 1 to 3, the latter representing the best possible protection against the penetration of cold air.

Side zip
Enables easy donning and doffing of the dungarees

COLD STORAGE/FREEZING FACILITY

	COLD STORAGE	FREEZING FACILITY
MATERIAL	Outer shell 100 % nylon Padding 100 % polyester (approx. 250 g/m ²) Lining 100 % polyester	Outer shell 100 % nylon Padding 100 % polyester, 1 layer polyester wadding, 2 layers 3M™ Thinsulate™ Insulation (total approx. 320 g/m ²) Lining 100 % polyester
DESIGN	Reflective tape, Reflective material silver	Reflective tape, Reflective material silver
COLOURS	navy Lining red	navy Lining blue
CLOTHING SIZES	International sizes S – M – L – XL – XXL – XXXL	International sizes S – M – L – XL – XXL – XXXL
CARE INSTRUCTIONS	 max. 25 washes	

APPLICATIONS

Different professions place different demands on workwear. We have provided a simple overview summarising the applications for which the Cold Storage / Freezing facility range is suitable.



You can find more information about our range and its applications via the QR code or at www.planam.de/applications



Manufacturing /
Warehouse / Logistics



Cold storage /
Frozen storage



Food




3M™ Thinsulate is an 3M trademark.

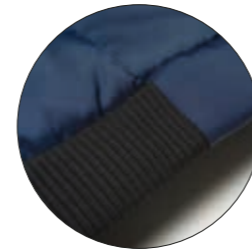
COLD STORAGE/FREEZING FACILITY

Cold Storage Blouson



 View this item from all angles under "Products" at planam.de

APPLICATIONS



Enough space to move around thanks to the **elastic waistband**



The **fleece edging around the neck** makes the jacket comfortable to wear



Important things can be kept in the sleeve thanks to the **sleeve pocket**

EXTRAS

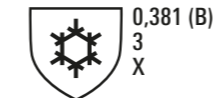
- + full length front zip closure
- + 1 chest pocket on the left
- + 2 side pockets
- + sleeve pocket on the left with zip pocket
- + reflective stripe around the waist
- + ribbed cuffs and hem
- + thermal insulation: 0.381 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017

Important: Combine this blouson with the cold storage dungarees in order to ensure complete protection
More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS




5120
navy
Lining red

COLD STORAGE/FREEZING FACILITY

Cold Storage Parka



 View this item from all angles under "Products" at planam.de

APPLICATIONS



The cold stays out thanks to the perfectly **fitted cuffs**



The **elastic fitting in the back** makes it harder for cold to get through



Easy to open and close thanks to the **2-way zip**

EXTRAS

- + full length front zip closure
- + 1 chest pocket on the left
- + 2 side patch pockets with flaps
- + sleeve pocket on the left with zip pocket
- + reflective stripe around the waist
- + ribbed cuffs
- + thermal insulation: 0.381 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017

Important: Combine this parka with the cold storage dungarees in order to ensure complete protection
More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS



5121
navy
Lining red

COLD STORAGE/FREEZING FACILITY

Cold Storage Vest



The vest fits perfectly thanks to the **elasticated side panel**



Your kidneys and lower back stay protected thanks to the **longer back**

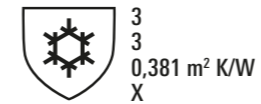
EXTRAS

- + full length front zip closure
- + 2 side pockets
- + elongated back
- + stretchy insert on the side
- + reflective stripe around the waist
- + thermal insulation: 0.381 m²
- + thermal resistance: Class 3
- + air permeability: Class 3

CLOTHING SIZES


International sizes
S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 14058:2017

Important: Please note that this is not protective clothing for better visibility.

 View this item from all angles under "Products" at planam.de

APPLICATIONS



COLOURS




5122
navy
Lining red

COLD STORAGE/FREEZING FACILITY

Cold Storage Dungarees



 View this item from all angles under "Products" at planam.de

APPLICATIONS



The **elastic fitting in the back** makes it harder for cold to get through



Easy to put on and take off thanks to the **zip on the side**



The **knee pockets** allow for the use of knee pads

EXTRAS

- + full length front zip closure
- + 2 side patch pockets with flaps
- + high back with stretchy braces
- + clip buckles on the braces
- + patch knee cushion pockets
- + side zip with flap for convenient access
- + reflective stripe on the leg
- + thermal insulation: 0.381 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



0,381 (B)
3
X
EN 342:2017

Important: Combine these dungarees with one of the cold storage tops in order to ensure complete protection
More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS




5123
navy
Lining red

COLD STORAGE/FREEZING FACILITY

Cold Storage Overalls



 View this item from all angles under "Products" at planam.de

APPLICATIONS



Superior freedom of movement thanks to the **elastic in the waistband**

EXTRAS

- + full length, covered front zip closure
- + 1 chest pocket on the left
- + 2 side patch pockets with flaps
- + sleeve pocket on the left with zip pocket
- + patch knee pad pockets
- + side zip with flap for comfortable access
- + reflective stripe around the waist and legs
- + knitted cuffs
- + thermal insulation: 0.381 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017

Important: More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS




5124
navy
Lining red

COLD STORAGE/FREEZING FACILITY

Freezing Facility Parka



 View this item from all angles under "Products" at planam.de

APPLICATIONS



The cold stays out thanks to the perfectly **fitted cuffs**



The **elastic fitting in the back** makes it harder for cold to get through



Easy to open and close thanks to the **2-way zip**

EXTRAS

- + full length front zip closure
- + 1 chest pocket on the left
- + 2 side patch pockets with flaps
- + sleeve pocket on the left with zip pocket
- + reflective stripe around the waist
- + thermal insulation: 0.479 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017

Important: Combine this parka with the freezing facility dungarees in order to ensure complete protection
More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS




5131
navy
Lining blue

COLD STORAGE/FREEZING FACILITY

Freezing Facility Dungarees



 View this item from all angles under "Products" at planam.de

APPLICATIONS



The **elastic fitting in the back** makes it harder for cold to get through



Easy to put on and take off thanks to the **zip on the side**



The **knee pockets** allow for the use of knee pads

EXTRAS

- + full length front zip closure
- + 2 side patch pockets with flaps
- + high back with stretchy braces
- + patch knee pad pockets
- + side zip with flap for comfortable access
- + reflective stripe on the legs
- + thermal insulation: 0.479 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017



Important: Combine these dungarees with the freezing facility parka in order to ensure complete protection
More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS




5133
navy
Lining blue

COLD STORAGE/FREEZING FACILITY

Freezing Facility Overalls



 View this item from all angles under "Products" at planam.de

APPLICATIONS



Superior freedom of movement thanks to the **elastic in the waistband**



Easy to put on and take off thanks to the **side zip**

EXTRAS

- + full length, covered front zip closure
- + 1 chest pocket on the left
- + 2 side patch pockets with flaps
- + sleeve pocket on the left with zip pocket
- + patch knee pad pockets
- + side zip with flap for comfortable access
- + reflective stripe around the waist and legs
- + thermal insulation: 0.479 (B)
- + air permeability: Class 3

CLOTHING SIZES

International sizes

S – M – L – XL – XXL – XXXL

CERTIFICATES AND STANDARDS



EN 342:2017



Important: More information on page 24.

Please note that this is not protective clothing for better visibility.

COLOURS



5134
navy
Lining blue

STANDARDS & CERTIFICATION



EN 342 CLOTHING FOR PROTECTION AGAINST COLD

The protective clothing is worn for working in cold storage facilities and cold environments with temperatures of -5 °C or less. In order to provide optimum protection, the clothing must be worn as a suit (parka and dungarees, blouson and dungarees or overalls). In addition, the corresponding head and hand coverings must be worn, along with protective shoes. In the testing method according to EN 342, heat insulation and air permeability is tested.

The pictogram gives information about the level of protection. The figures below mean, for example, 0.477 (B) resultant thermal insulation measured while standing, performing very light or moderate activities. For the relevant period of use at different ambient temperatures, please refer to the measured value in the following table:

Insulation I_{cl} m ² · K/W	Wearer carrying out a standing activity 115 W/m ²				Wearer carrying out a moving activity							
					Light 115 W/m ²				Moderate 170 W/m ²			
	0.4 m/s		3 m/s		0.4 m/s		3 m/s		0.4 m/s		3 m/s	
	8h	1h	8h	1h	8h	1h	8h	1h	8h	1h	8h	1h
0.265	13	0	19	7	3	-12	9	-3	-12	-28	-2	-16
0.310	10	-4	17	3	-2	-18	6	-8	-18	-36	-7	-22
0.390	5	-12	13	-3	-9	-28	0	-16	-29	-49	-16	-32
0.470	0	-20	7	-9	-17	-38	-6	-24	-40	-60	-24	-43
0.540	-5	-26	4	-14	-24	-45	-11	-30	-49	-71	-32	-52
0.620	-10	-32	0	-20	-31	-55	-17	-38	-60	-84	-40	-61



EN 14058 PROTECTIVE CLOTHING AGAINST COOL ENVIRONMENTS

At moderate low temperatures above -5 °C, items of clothing are used to protect against localised cooling of the body, including for activities indoors, e.g. in the food industry. Air permeability, heat insulation and thermal insulation are tested. The clothing serves to protect the body against cool environments.



3M™ THINSULATE™ INSULATION

3M™ Thinsulate™ Insulation – a modern fibre technology with functional and insulating properties that are setting new standards. The combination of 1-layer polyester padding and 2-layer 3M™ Thinsulate™ insulating finish creates a combination of materials that is unrivalled. The cold doesn't stand a chance here.





COLD STORAGE / FREEZING FACILITY

MEN'S

Cold storage Blouson	navy, Lining red	5120
Cold storage parka	navy, Lining red	5121
Cold storage vest	navy, Lining red	5122
Cold storage dungarees	navy, Lining red	5123
Cold storage overalls	navy, Lining red	5124
Freezing facility parka	navy, Lining red	5131
Freezing facility dungarees	navy, Lining red	5133
Freezing facility overalls	navy, Lining red	5134

322704

You can view interactive images of products from the Cold storage/freezing facility range here:





MEP/UMI | Drucken, Kommunikation, Bigfield

Your PLANAM specialists


Fashion for your profession