

## Basic information

The durability of the covering is depending on different factors like pressure resistance, hydrolysis resistance and most important heat resistance of the used materials.

Long lasting coverings are more expensive but they offer a constantly good ironing result and reduce machine breakdown time as they extend the replacement interval.

When selecting coverings you should mind the heat resistance of the single layers. When they are equal you can replace all layers at once at the end of the lifetime.

Or you choose coverings with increasing heat resistance from the final top cover to the base layer which is situated directly on the hot machine. In this case you replace the final top cover more often (which you may have to do anyway when it gets dirty) and then you should take the opportunity to check the function and permeability of the layers below.

## Ironing tables

Every single layer of an ironing table covering serves a special purpose in order to achieve the optimum ironing result. Our advises presume a heated ironing table which is industrial standard. Unheated ironing tables do not require a heat resistant lower padding.

All layers together are responsible for the equal distribution of the steam which should come out of the covering as a homogenous cloud.

The covering starts at the metal surface of the ironing table:

1. Rough wire mesh  
Besides the steam spreading it also improves the vacuum suction.
2. Lower padding (about 4 – 6 mm thick)  
At least this padding should be heat resistant and durable as you will have to remove all above layers when it has to be replaced. We advise a hard VOMAPOR silicone/foam or REHAU foamed silicone. Sometimes a V-Max Aramid needlefelt is used as a lower padding.  
The lower padding protects the above paddings and the clothing from too big heat.
3. Lower layer  
Here you should use a Polyester wire screen mesh or a felt which distributes the steam and prevents from fluff in the vacuum suction.
4. Intermediate padding (about 5 - 10 mm thick)  
This padding is responsible for the softness of the covering and thus directly influences the ironing result. A hard padding usually is more durable and speeds up ironing as the pressure of the iron is not absorbed. But it also increases the danger of shine and pressure marks at the thicker parts of the clothing like seams and pockets. If you have such problems please choose a softer and/or thicker padding which cushions the pressure. Commonly a foam with at least 80 kg weight per cubic meter is used as the intermediate padding.  
It must be reticulated to achieve the optimum permeability.  
The heat resistance of the foam can be improved by a silicone coating. Please avoid very cheap silicone/foams as their coating only lasts slightly longer than the uncoated foams and may transmit hazardous substances which harm your workers and contaminate the clothing.
5. Upper layer  
This layer can be a Polyester wire screen mesh or a felt with inlet or a molton.  
If you require a wet environment for ironing difficult materials like canvas we advise a cotton molton. Otherwise you should use more durable materials made of Polyester or V-Max Aramid.  
A fine wire screen mesh at this part of the covering filters fluff which otherwise could penetrate the below layers and reduce the vacuum suction. You should not use a felt without inlet at this position because the horizontal movement of the iron will cause bulges.
6. Final top cover  
The final top cover should not be more heat resistant than the lower layers because then you would not recognize that the layers below are exhausted until the ironing result suffers.  
Sometimes the final top cover has to be replaced often because it gets dirty very quickly. Then we advise to use a cheap final top cover which can be changed easily.  
Most workers prefer a smooth final top cover because the clothing can be put on the table quickly and handled easily. But if the clothing is already very smooth it may slide down from the ironing table.  
In this case you should choose a rough cover instead.



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