



# QUALITY AGREEMENT

FD7  
No. 417

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Company Filc d.d. and HNB Nordbleche GmbH (the customer) agree, that Filc d.d. will provide the customer with DRIPSTOP C3481 95. All technical characteristics, quality of the material, method of packaging etc. are described and agreed in this document.

PRODUCT: DRIPSTOP C3481 95

## 1. COMPOSITION

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|-------------------|---|
| 1.1. Raw material | PES nonwoven<br>Pressure sensitive hot-melt on synthetic rubber basis<br>PE release liner |
| 1.2. Color        | grey  |

## 2. SPECIFICATION

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|--------------------|--|
| 2.1. Core diameter | 76 mm  |
| 2.2. Roll length   | 300 lm   |
| 2.3. Short rolls   | 10% rolls per delivery > 200 lm  |
| 2.4. Roll width    | Ordered $\pm$ 5 mm   |
| 2.5. Winding       | Nonwoven inside  |
| 2.6. Packaging     | Twelve rolls (six on each 120 x 80 cm palette, one palette on another) with a protective cover on each top. Rolls fixed on the sides five times with a band. Palettes are wrapped with stretch foil. |



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|------------|--|
| 2.7. Label | German (F1-N), identification on each roll of: type, weight, roll length, width, production number, roll number, date of production. |
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## 3. QUALITY PARAMETERS

	Unit	Demanded average value	Test method description
3.1. Weight			
- Nonwoven	g/m <sup>2</sup>	95 $\pm$ 10 g	EN 29073-1 (100cm <sup>2</sup> )
- Adhesive	g/m <sup>2</sup>	20 $\pm$ 2g	
3.2. Adhesion tear strength (F <sub>max</sub> )	N/25mm	>10	FILC Internal regulation No. 29, 180°, after 20min, 300mm/min, stainless steel plate
3.3. Water absorption	g/m <sup>2</sup>	>900	Filc internal regulation No.19 (at 0° slope)

## 4. WORKING CONDITIONS

DRIPSTOP and the metal sheet should be laminated at a working temperature of +10°C or more. We recommend that coils and anti condensation membrane are stored where the production takes place. The surface of the metal sheet where DRIPSTOP will be applied must be dry and free of dust, oils, silicon, rust or anything similar. Dirtiness prevents good contact between the adhesive and the metal sheet, consequently the quality of the end product could suffer. DRIPSTOP should also not be applied to surfaces which contain softening such as Plastisol or similar. To obtain a good adhesion it is necessary to ensure equable pressure all over the surface between the metal sheet and DRIPSTOP. A metal roof with DRIPSTOP membrane should be built according to general building standards. Prevention of capillarity rise should be carried out. In order to allow DRIPSTOP to get dry, sufficient ventilation has to be provided..

## 5. STORAGE

DRIPSTOP should be stored in a dry, closed space at the temperature between +5°C ~ +30°C. It should not be exposed to direct sunlight. If stored according to the given conditions, the quality of material will not change in a period of one year.

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**6. WARNING**

The bonding is permanent. DRIPSTOP can not be removed and stuck again.

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**7. OTHER**

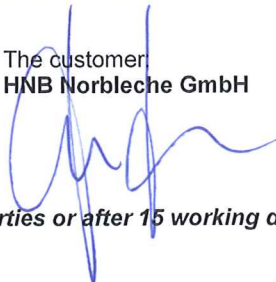
For further information please contact Filc d.d.

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**FILC D.D.**

Prepared by: Franja Molan Jančar (Quality Dep.)  
Revised by: Silvo Gorenc (Production)  
Approved by: Boštjan Guček (Sales Dep.)

The customer  
**HNB Norbleche GmbH**



**Note: The document becomes valid when undersigned by both parties or after 15 working days from issue or revision, if no response is given.**