

## Declaration of Performance

No.: SYN-KLO-007-CE  
Version: 12/2022

Permo Air 160  
KU0045-15; KU0045-1; KU0045-11-1; KU0045-11-15

### 1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

Permo Air 160

### 2. INTENDED USE

Underlays for discontinuous roofing

### 3. MANUFACTURER

Klober GmbH  
Scharpenberger Str. 72-90  
58256 Ennepetal  
Germany

### 4. AUTHORIZED REPRESENTATIVE

Klober Ltd  
BMI House, 2 Pitfield, Kiln Farm, Milton Keynes MK11 3LW  
United Kingdom

### 5. SYSTEM OR SYSTEMS AVCP

System 3

### 6. HARMONISED STANDARD or ETA

EN13859-1/-2: 2010

### 7. NOTIFIED BODY(IES)

DE - 0751 / 0761

Signed for and on behalf of the manufacturer by:

Markus Brando



Director Klöber GmbH  
Germany  
19.12.2022

### 8. DECLARED PERFORMANCE

Essential Characteristics	Performance	Harmonized technical specification
Reaction to fire (EN13501-1)	E-Class	EN 13859-1/-2: 2010
Resistance to water penetration (EN1928)	W1	
Tensile strength (N/50mm) MD (EN 12311-1)	280 +/-40N/5cm	
Tensile strength (N/50mm) CD (EN12311-1)	200 +/-40N/5cm	
Elongation MD/CD (%) (EN12311-1)	50/70 (+/-20)	
Elongation after ageing MD/CD (%) (EN12311-1)	40/60 (+/-20)	
Resistance to tearing (N) (nail shank) MD (EN 12311-1)	140 +/-30N	
Resistance to tearing (N) (nail shank) CD (EN 12311-1)	130 +/-30N	
Pliability (EN1109)	-25°C	
Tensile strength after ageing (N/50mm) MD (EN12311-1)	200 +/-40N/5cm	
Tensile strength after ageing (N/50mm) CD (EN12311-1)	150 +/-40N/5cm	
Resistance to water penetration after ageing (EN1928)	W1	

NPD: No performance determined

The performance of the product identified in points 1 and 2 is in conformity with the set of declared performance/s in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.