

Fasrock d \geq 40 mm

- Unique identification code of the product-type:
RW-PL-G-2012-I.
- Type and serial number allowing identification of the product:
See product label Fasrock d \geq 40 mm MW-EN 13162-T5-DS(70,-)-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1.
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation products for buildings (ThIB).**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5): **ROCKWOOL, a.s., Cihelni 769, 735 31 Bohumín, Czech Republic.**
- Where, applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): not applicable.
- System of attestation of conformity: **System 1 + System 3.**
- Notified Certification body No. **1390 Centrum stavebního inženýrství a.s. Praha** performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the **Certificate of Constancy of Performance No. 1390-CPR-0168/09/P.**
- Not applicable.
- Declared Performance is in the Table 1 and Table 2:

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (AP ²⁾) and α_{av} (AW ²⁾) declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' , SDI ²⁾ declared	NPD
	4.3.10.2 Thickness, d_t	d_t declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CP ²⁾ declared	NPD
	4.3.12 Air flow resistivity	AF _i ²⁾ declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _i ²⁾ declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{b)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	See Table 2 0.039 W/m.K
	4.2.3 Thickness	T ²⁾ class for thickness tolerance	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_p	$\leq 1 \text{ kg/m}^2$
	4.3.7.2 Long term water absorption	WL(P) -declared W_p	$\leq 3 \text{ kg/m}^2$
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ²⁾) or Z ²⁾	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ²⁾ or CS(10\Y) ²⁾ declared	CS(10)40
	4.3.5 Point load	PL(5) ²⁾ declared	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	Reaction to fire as declared by 4.2.6	no change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	no change with time
	4.2.7 Durability characteristics	DS(70,-) declared	$\leq 1,0 \%$
	4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions	The relative changes in thickness DS(70,90) declared The relative changes in thickness	$\leq 1,0 \%$
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ²⁾ declared	TR15
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1 , i_2) ²⁾ σ_c compressive creep declared X_{ci} and X_i	NPD

¹⁾ No performance determined; ²⁾ "r" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet

Table 2

Thermal resistance, R_0													
d(mm)	40	50	60	80	100	120	140	160	180	200	---	---	---
$R_0(\text{m}^2\text{K/W})$	1,00	1,25	1,50	2,05	2,55	3,05	3,55	3,80	4,60	5,10	---	---	---

NOTE: R value for thickness not seen in Table 2, is available on product label

- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in Table 1 and Table 2 of point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Production and Technical Director
(Name and function)

Cigacice, 11. 02. 2014
(Place, date)


Signature

Fasrock d<40 mm

- Unique identification code of the product-type:
RW-PL-G-2011-I.
- Type and serial number allowing identification of the product:
See product label Fasrock d<40 mm MW-EN 13162-T5-DS(70,-)-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1.
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation products for buildings (ThIB).**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5):
ROCKWOOL, a.s., Cihelní 769, 735 31 Bohumín, Czech Republic.
- Where, applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): not applicable.
- System of attestation of conformity: **System 1 + System 3.**
- Notified Certification body No. **1390 Centrum stavebního inženýrství a.s. Praha** performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the **Certificate of Constancy of Performance No. 1390-CPR-0168/09/P.**
- Not applicable.
- Declared Performance is in the Table 1 and Table 2:

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (AP ²⁾) and α_{av} (AW ²⁾) declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' , SDI ²⁾ declared	NPD
	4.3.10.2 Thickness, d_t	d_t declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CPI ²⁾ declared	NPD
	4.3.12 Air flow resistivity	AF _i ²⁾ declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _i ²⁾ declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{b)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	See Table 2 0.041 W/m.K
	4.2.3 Thickness	T ²⁾ class for thickness tolerance	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_p	$\leq 1 \text{ kg/m}^2$
	4.3.7.2 Long term water absorption	WL(P) -declared W_p	$\leq 3 \text{ kg/m}^2$
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ²⁾) or Z ²⁾	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ²⁾ or CS(10\Y) ²⁾ declared	CS(10)40
	4.3.5 Point load	PL(5) ²⁾ declared	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	Reaction to fire as declared by 4.2.6	no change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	no change with time
	4.2.7 Durability characteristics	DS(70,-) declared	$\leq 1,0 \%$
	4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions	The relative changes in thickness DS(70,90) declared The relative changes in thickness	$\leq 1,0 \%$
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ²⁾ declared	TR15
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1 ²⁾ / i_2 ²⁾) σ_c compressive creep declared X_{c1} and X_c	NPD

¹⁾ No performance determined, ²⁾ "i" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet

Table 2

Thermal resistance, R_D													
d(mm)	20	30	—	—	—	—	—	—	—	—	—	—	—
$R_D(\text{m}^2\text{K/W})$	0,45	0,70	—	—	—	—	—	—	—	—	—	—	—

NOTE: R value for thickness not seen in Table 2, is available on product label

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in Table 1 and Table 2 of point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Production and Technical Director
(Name and function)

Cigacice, 11. 02. 2014
(Place, date)


Signature

Airrock HD

- Unique identification code of the product-type:
RW-PL-G-2008-I.
- Type and serial number allowing identification of the product:
See product label **Airrock HD MW-EN 13162-T4-DS(70,-)-WS-WL(P)-MU1.**
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation products for buildings (ThIB).**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5):
ROCKWOOL, a.s., Cihelni 769, 735 31 Bohumín, Czech Republic.
- Where, applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): not applicable.
- System of attestation of conformity: **System 1 + System 3.**
- Notified Certification body No. **1390 Centrum stavebního inženýrství a.s. Praha** performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the **Certificate of Constancy of Performance No. 1390-CPR-0168/09/P.**
- Not applicable.
- Declared Performance in the Table 1 and Table 2.

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (AP ²⁾) and $\alpha_{w,0}$ (AWI ²⁾) declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' , SD ²⁾ declared	NPD
	4.3.10.2 Thickness, d_t	d_t declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CP ²⁾ declared	NPD
	4.3.12 Air flow resistivity	AF _j ²⁾ declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _j ²⁾ declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{b)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ if possible	See table 2 0.035 W/mK
	4.2.3 Thickness	TI ²⁾ class for thickness tolerance	T4
Water permeability	4.3.7.1 Short term water absorption	WS - declared W_p	$\leq 1 \text{ kg/m}^2$
	4.3.7.2 Long term water absorption	WL(P) - declared W_b	$\leq 3 \text{ kg/m}^2$
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ²⁾) or Zi ²⁾	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ²⁾ or CS(10YY) ²⁾ declared	NPD
	4.3.5 Point load	PL(5) ²⁾ declared	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	Reaction to fire as declared by 4.2.6	no change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ if possible	no change with time
	4.2.7 Durability characteristics	DS(70,-) declared	$\leq 1.0 \%$
	4.3.2. Dimensional stability under specified temperature or under specified temperature and humidity conditions	The relative changes in thickness DS(70.90) declared The relative changes in thickness	NPD
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ²⁾ declared	NPD
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(I ₁ ²⁾ /I ₂ ²⁾) σ_c compressive creep declared X _{ct} and X _t	NPD

¹⁾ No performance determined; ²⁾ "i" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet

Table 2

Thermal resistance, R_0														
d (mm)	30	40	50	60	80	100	120	140	160	180	200	220	240	---
R_0 (m ² K/W)	0.85	1.10	1.40	1.70	2.25	2.85	3.40	4.00	4.55	5.10	5.70	6.25	6.85	---

NOTE: R value for thickness not seen in Table 2, is available on product label.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in Table 1 and Table 2 of point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Production and Technical Director
(Name and function)

Cigacice, 11. 02. 2014
(Place, date)


Signature

ROCKWOOL®
NIEPALNE IZOLACJE

ROCKWOOL® Polska Sp. z o.o.
ul. Kwiatowa 14
66-131 Cigacice
POLAND

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Frontrock MAX E

- Unique identification code of the product-type:
RW-PL-G-2017-I.
- Type and serial number allowing identification of the product:
See product label **Frontrock MAX E MW-EN 13162-T5-DS(70,-)-DS(70,90)-CS(10)20-TR10-PL(5)250-WS-WL(P)-MU1.**
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation products for buildings (ThIB).**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5): **ROCKWOOL, a.s., Cihelni 769, 735 31 Bohumín, Czech Republic.**
- Where, applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): not applicable.
- System of attestation of conformity: **System 1 + System 3.**
- Notified Certification body No. **1390 Centrum stavebního inženýrství a.s. Praha** performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the **Certificate of Constancy of Performance No. 1390-CPR-0168/09/P.**
- Not applicable.
- Declared Performance is in the Table 1 and Table 2:

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	c)
Acoustic absorption index	4.3.11 Sound absorption	α_a (AP ²⁾ and $\alpha_{w,0}$ (AWI ²⁾ declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' , SDI ²⁾ declared	NPD
	4.3.10.2 Thickness, d_t	d_t declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CPI ²⁾ declared	NPD
	4.3.12 Air flow resistivity	AF _i ²⁾ declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _i ²⁾ declared	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	b)
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	See Table 2 0.036 W/m.K
	4.2.3 Thickness	Ti ²⁾ class for thickness tolerance	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_p	$\leq 1 \text{ kg/m}^2$
	4.3.7.2 Long term water absorption	WL(P) -declared W_p	$\leq 3 \text{ kg/m}^2$
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ²⁾) or Z ²⁾	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ²⁾ or CS(10(Y)) ²⁾ declared	CS(10)20
	4.3.5 Point load	PL(5) ²⁾ declared	PL(5)250
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	Reaction to fire as declared by 4.2.6	no change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	no change with time
	4.2.7 Durability characteristics	DS(70,-) declared	$\leq 1,0 \%$
	4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions	The relative changes in thickness DS(70,90) declared The relative changes in thickness	$\leq 1,0 \%$
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ²⁾ declared	TR10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(I ₁ ²⁾ /I ₂ ²⁾ σ_c compressive creep declared X _{c1} and X _{c2}	NPD

¹⁾ No performance determined; ²⁾ indicates relevant class of level or declared value; ³⁾ national regulations not available; ⁴⁾ according to national regulations; see: Safety Use Instruction Sheet

Table 2

Thermal resistance, R ₀													
d(mm)	60	80	100	120	140	160	180	200	220	240	260	280	---
R ₀ (m ² K/W)	1,65	2,20	2,75	3,30	3,85	4,40	5,00	5,55	6,10	6,65	7,20	7,75	---

NOTE: R value for thickness not seen in Table 2, is available on product label

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in Table 1 and Table 2 of point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Production and Technical Director
(Name and function)

Cigacice, 11. 02. 2014
(Place, date)


Signature

ROCKWOOL®
NIEPALNE IZOLACJE

ROCKWOOL® Polska Sp. z o.o.
ul. Kwiatowa 14
66-131 Cigacice
POLAND

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