

THE DECLARATION OF PERFORMANCE

DRYVIT – ETA –OUTSULATION

1	Identification code of the product type	DRYVIT-ETA-OUTSULATION
2	Type of product and batch number	See the label
3	Intended use of product	Thermal insulation system with Dryvit finishes.
4	Name of product	DRYVIT OUTSULATION
	Name of the place of production and address:	Production Plant DRYVIT Radziejowice KRZE DUŻE 7 96-325 RADZIEJOWICE tel. 0 801 379848
5	Authorised representative	Does not apply
6	The system of assessment and verification of the performance	See table number 1
7	Harmonized norm	Does not apply
8	Approved by	ETA-07/0042 (<i>valid to 05.03.2018</i>) <i>Published by</i> Zakład Aprobat INSTYTUT TECHNIKI BUDOWLANEJ ul. Filtrowa 1, 00-611 WARSZAWA
	Certificated by	Zakład Certyfikacji INSTYTUT TECHNIKI BUDOWLANEJ ul. Filtrowa 1, 00-611 WARSZAWA Number of notification: 1488, Certificate number: 1488-CPD-0355/W
9	The declared performances	The declared performances, are presented in Table 1 and refer to the full, complex system of thermal insulation and are valid for use only in full system configuration specified in the Table 2.

Table 1 Characteristics parameters of OUTSULATION SYSTEM

Characteristics parameters	The declared performances	Technical specifications	Conformity assessment system
Reaction to fire	See table 3	ETAG 004:2011	System 1
Hygrothermal behaviour	The ETICS	ETAG 004:2011	System 2+
Water absorption	Base coat: <i>after 1 h < 1,0 kg/m²;</i> <i>after 24 h < 0,5 kg/m²;</i> Finishing coats see Table 4	ETAG 004:2011	System 2+
Impact resistance	See table 5,	ETAG 004:2011	System 2+
Water vapour permeability	See table 6	ETAG 004:2011	System 2+
Dangerous substance	NPD	-	-
Adhesive	See table 7	ETAG 004:2011	System 2+
Fixing strenght	NPD	ETAG 004:2011	System 2+
Bond strenght after ageing	See table 8	ETAG 004:2011	System 2+

Table 2. Definition of the Dryvit Outsulation

	Components	Coverage (kg/m ²)	Thickness (mm)
Insulation material with associated methods of fixing	Bonded ETICS: Fully Bonded or partially bonded with supplementary mechanical fixings (bonded surface shall be at least 40%); national application documents have to be taken into account.		
	<ul style="list-style-type: none"> • Insulation product Factory prefabricated expanded polystyrene (EPS) according to EN 13163 (see table 10) 	-	≤ 250
	<ul style="list-style-type: none"> • Adhesive: DRYHESIVE PLUS cement based powder requiring addition of 0,22 to 0,24 l/kg of water 	3,5 to 4,0 ¹ (powder)	-
¹ refers to the fully bonded system			
Base coat	<ul style="list-style-type: none"> • PRIMUS / GENESIS P acrylic-copolymer binder based paste requiring addition of cement (CEM I 32,5) 1 : 1 kg/kg and water if necessary 	1,5 to 1,7	1,8 to 3,0
Glass fibre meches (See Table 11)	<ul style="list-style-type: none"> • R 117 A101 / AKE 145² mesh size of about.: 4,0 x 4,5 mm; mass per unit area.: 150 g/m² • SSA-1363-SM0,5² mesh size of about .: 4,0 x 5,0 mm; mass per unit area.: 150 g/m² • PANZER mesh size of about.: 7,0 x 7,0 mm; mass per unit area: 280 g/m² 	-	-
² trade name of glass fibre meshes: DRYVIT STANDARD PLUS			
Key coats	<ul style="list-style-type: none"> • COLOR PRIME ready to use liquid, to be used optionally 	0,20 to 0,25	-
	<ul style="list-style-type: none"> • COLOR PRIME S ready to use liquid, to be used optionally 	0,25 to 0,30	-
	<ul style="list-style-type: none"> • ULTRA TEX PG ready to use liquid to be used optionally with finishing coats offered with templates ULTRA TEX 	0,30 to 0,40 (double layer)	-
Finishing coats	QUARZPUTZ EURO particle size: 2,0 mm; ribbed structure	2,6 to 2,8	Regulated by particle size
	SANDPEBBLE EURO particle size: 1,6 mm; grained structure	2,6 to 2,8	
	SANDBLAST EURO particle size: 1,2 mm; grained structure	2,3 to 2,5	
	QUARZPUTZ NT particle size: 2,0 mm; ribbed structure	2,6 to 2,8	Regulated by particle size
	SANDPEBBLE NT particle size: 1,6 mm; grained structure	2,6 to 2,8	
	SANDBLAST NT particle size: 1,2 mm; grained structure	2,3 to 2,5	
	FREESTYLE NT ³ particle size: 0,6 mm; grained structure	1,5 to 3,0	1,2 to 3,0
	QUARZPUTZ PMR particle size: 2,0 mm; ribbed structure	2,6 to 2,8	Regulated by particle size
	SANDPEBBLE PMR particle size: 1,6 mm; grained structure	2,6 to 2,8	
SANDBLAST PMR particle size: 1,2 mm; grained structure	2,3 to 2,5		

	FREESTYLE PMR ³ particle size: 0,6 mm; grained structure	1,5 to 3,0	1,2 to 3,0
	LYMESTONE PMR ³ particle size: 0,6 mm; grained structure	1,5 to 3,0	1,2 to 3,0
	AMERISTONE/AMERISTONE T particle size: 0,1 do 2,5 mm	3,5 to 4,5	Regulated by particle size
	STONEMIST / STONEMIST T particle size: 0,6 do 0,8 mm	2,8 to 3,5	
	QUARZPUTZ TR particle size: 2,0 mm; ribbed structure	2,6 to 2,8	Regulated by particle size
	SANDPEBBLE TR particle size: 1,6 mm; grained structure	2,6 to 2,8	
	SANDBLAST TR particle size: 1,2 mm; grained structure	2,3 to 2,5	
	FREESTYLE TR ³ particle size: 0,6 mm; grained structure	1,5 to 3,0	1,2 to 3,0
	LYMESTONE TR ³ particle size: 0,6 mm; grained structure	1,5 to 3,0	1,2 to 3,0
³ offered with the various templates and additional trade name: ULTRA TEX			
Ancillary materials	Ancillary materials In accordance with clause of the ETAG 004, p.3.2.2.5. Remain under the ETA-holder responsibilities. Anchors (supplementary mechanical fixings) covered by ETA issued according to ETAG 014.		

Table 3. Reaction to fire

Configuration according to:	Reaction to fire class according to wg EN 13501-1
ETICS DRYVIT OUTSULATION with rendering system: <ul style="list-style-type: none"> • Adhesive: DRYHESIVE PLUS • Base coat: PRIMUS/GENESIS P • Finishing coats: QUARZPUTZ EURO, SANDPEBBLE EURO, SANDBLAST EURO 	B – s2, d0
ETICS DRYVIT OUTSULATION with rendering system: <ul style="list-style-type: none"> • Adhesive: DRYHESIVE PLUS • Base coat: PRIMUS/GENESIS P • Finishing coats: QUARZPUTZ PMR, QUARZPUTZ NT, SANDPEBBLE PMR, SANDPEBBLE NT, SANDBLAST PMR, SANDBLAST NT, FREESTYLE PMR, FREESTYLE NT, LYMESTONE PMR, AMERISTONE / AMERISTONE T, STONEMIST / STONEMIST T 	C – s2, d0
ETICS DRYVIT OUTSULATION with rendering system: <ul style="list-style-type: none"> • Adhesive: DRYHESIVE PLUS • Base coat: PRIMUS/GENESIS P • Finishing coats: QUARZPUTZ TR, SANDPEBBLE TR, SANDBLAST TR, FREESTYLE TR, LYMESTONE TR 	C – s2, d0
<i>All other configurations (e.g. with glass fiber mesh PANZER and with key coats)</i>	<i>No performance</i>

	<i>determined</i>
--	-------------------

Table 4. Water absorption after 24 h

		< 0,5 kg/m ²	≥ 0,5 kg/m ²
Rendering system: base coat PRIMUS / GENESIS P + Finishing coat indicated hereafter	AMERISTONE / AMERISTONE T STONEMIST / STONEMIST T	X	-
	QUARZPUTZ EURO, SANDPEBBLE EURO SANDBLAST EURO	X	-
	QUARZPUTZ NT, SANDPEBBLE NT SANDBLAST NT, FREESTYLE NT	X	-
	QUARZPUTZ PMR, SANDPEBBLE PMR SANDBLAST PMR, FREESTYLE PMR LYMESTONE PMR	X	-
	QUARZPUTZ TR, SANDPEBBLE TR SANDBLAST TR, FREESTYLE TR LYMESTONE TR	X	-

Table 5. Impact resistance

		Single Standard mesh SSA 1363 sm(100)
Rendering system: Base coat PRIMUS/GENESIS P + Finishing coat indicated afterhead	AMERISTONE / AMERISTONE T STONEMIST / STONEMIST T	Category II¹
	QUARZPUTZ EURO, SANDPEBBLE EURO, SANDBLAST EURO	Category II¹
	QUARZPUTZ NT, SANDPEBBLE NT SANDBLAST NT, FREESTYLE NT	Category II¹
	QUARZPUTZ PMR, SANDPEBBLE PMR, SANDBLAST PMR FREESTYLE PMR, LYMESTONE PMR	Category II¹
	QUARZPUTZ TR, SANDPEBBLE TR SANDBLAST TR, FREESTYLE TR LYMESTONE TR	Category II¹

¹ use categories according to ETAG 004, p. 6.1.3.3, table 8

Table 6. Impact resistance

		Single Standard mesh SSA 1363 sm(100)
Rendering system: Base coat PRIMUS/GENESIS P + Finishing coat indicated afterhead	AMERISTONE / AMERISTONE T STONEMIST / STONEMIST T	Category II¹
	QUARZPUTZ EURO, SANDPEBBLE EURO, SANDBLAST EURO	Category II¹
	QUARZPUTZ NT, SANDPEBBLE NT SANDBLAST NT, FREESTYLE NT	Category II¹
	QUARZPUTZ PMR, SANDPEBBLE PMR, SANDBLAST PMR FREESTYLE PMR, LYMESTONE PMR	Category II¹
	QUARZPUTZ TR, SANDPEBBLE TR SANDBLAST TR, FREESTYLE TR LYMESTONE TR	Category II¹

¹ use categories according to ETAG 004, p. 6.1.3.3, table 8

Table 7. Impact resistance

		Standard mesh SSA 1363 sm(100) + reinforced mesh PANZER
Rendering system: Base coat PRIMUS NCB + Finishing coat indicated afterhead	AMERISTONE/AMERISTONET, STONEMIST	Category I¹
	QUARZPUTZ NT, SANDPEBBLE NT, SANDBLAST NT, FREESTYLE NT	Category I¹
	QUARZPUTZ PMR, SANDPEBBLE PMR, SANDBLAST PMR, ULTRA TEX PMR, LYMESTONE PMR	Category I¹
	FREESTYLE PMR	Category I¹
	QUARZPUTZ TR, SANDPEBBLE TR, SANDBLAST TR, FREESTYLE TR, ULTRA TEX TR LYMESTONE TR	Category I¹

¹ use categories according to ETAG 004, p. 6.1.3.3, table 8

Table 8. Water vapour permeability (S_d)

		Equivalent air thickness s_d
Rendering system: Base coat PRIMUS/GENESIS P + Finishing coat indicated afterhead	AMERISTONE / AMERISTONE T, STONEMIST / STONEMIST T	$\leq 1,0$ m AMERISTONE: 0,28 m
	QUARZPUTZ EURO, SANDPEBBLE EURO, SANDBLAST EURO	$\leq 1,0$ m QUARZPUTZ EURO: 0,37 m
	QUARZPUTZ NT, SANDPEBBLE NT, SANDBLAST NT, FREESTYLE NT	$\leq 1,0$ m QUARZPUTZ NT: 0,66 m SANDPEBBLE NT: 0,60 m FREESTYLE NT (3 mm): 0,66 m
	QUARZPUTZ PMR, SANDPEBBLE PMR, SANDBLAST PMR, FREESTYLE PMR, LYMESTONE PMR	$\leq 1,0$ m QUARZPUTZ PMR: 0,75 m FREESTYLE PMR (3 mm): 0,60 m LYMESTONE PMR (3 mm): 0,77 m
	QUARZPUTZ TR, SANDPEBBLE TR, SANDBLAST TR, FREESTYLE TR, LYMESTONE TR	$\leq 1,0$ m QUARZPUTZ TR: 0,64 m FREESTYLE TR (3 mm): 0,77 m COLOR PRIME + SANDBLAST TR: 0,44 m COLOR PRIME S + SANDBLAST TR: 0,43 m

Table 9. Bond strength

Bond strength between base coat and insulation product (EPS)				
Base coat	Under dry conditions	After hygrothermal cycles on the rig	After freeze/thaw cycles	
PRIMUS/GENESIS P	$\geq 0,08$ MPa	$\geq 0,08$ MPa	Test not required because freeze/thaw cycles are not necessary	
Bond strength between: adhesive – substrate (concrete) and adhesive – insulation product (EPS)				
Adhesive	Under dry conditions	48 h immersion in water + 2 h drying at $(23 \pm 2)^\circ\text{C}$ and $(50 \pm 5)\%$ RH	48 h immersion in water + 7 days drying at $(23 \pm 2)^\circ\text{C}$ and $(50 \pm 5)\%$ RH	
DRYHESIVE PLUS	Concrete	$\geq 0,25$ MPa	$\geq 0,08$ MPa	$\geq 0,25$ MPa
	EPS	$\geq 0,08$ MPa	$\geq 0,03$ MPa	$\geq 0,08$ MPa
Minimal bonded surface area is 40%.				

Table 10. Bond strength after ageing

Rendering system: Base coat PRIMUS NCB + Finishing coat indicated afterhead	AMERISTONE / AMERISTONE T STONEMIST / STONEMIST T	$\geq 0,08$ MPa
	QUARZPUTZ EURO, SANDPEBBLE EURO, SANDBLAST EURO	$\geq 0,08$ MPa
	QUARZPUTZ NT, SANDPEBBLE NT, SANDBLAST NT, FREESTYLE NT	$\geq 0,08$ MPa
	QUARZPUTZ PMR, SANDPEBBLE PMR, SANDBLAST PMR, FREESTYLE PMR, LYMESTONE PMR	$\geq 0,08$ MPa
	QUARZPUTZ TR, SANDPEBBLE TR, SANDBLAST TR, FREESTYLE TR LYMESTONE TR	$\geq 0,08$ MPa

10. The declared performances refer to the full, composite thermal insulation system DRYVIT OUTSULATION are valid for use of the Product in the system and are consistent with those declared in the relevant Declaration¹.

This declaration of performance is issued under the sole responsibility of the manufacturer.

Place and the date of issue:

Krze Duże, 17.01.2014

Signature

KIEROWNIK
KONTROLA JAKOŚCI

Krzysztof Dobraczyński

