Datasheet

POLY-GPG
Hars voor multimaterialen

Dit chemische verankeringssysteem is geschikt voor alle courante toepassingen (bevestigingen van rolluiken, luiken, waterverwarmers, ...). Het kan veilig binnen gebruikt worden (COV A+) en met het gewone afval weggegooid worden.

BINNEN

BUITEN

Kenmerken

Materiaal

- Methacrylaathars zonder styreen,
- Draadstang LMAS : elektrolytisch verzinkt en roestvrij staal.

Voordelen

- Peeler-systeem : eenvoudig en snel te gebruiken,
- Vrij van gevaarlijke bestanddelen, zonder styreen en reukloos,
- Zonder waarschuwingssymbolen en veiligheidswaarschuwingen,
- Opslag in ruimte voor onbrandbare producten,
- Het (al dan niet gebruikte) harspatroon kan weggegooid worden met ongevaarlijk afval.

Toepassingen

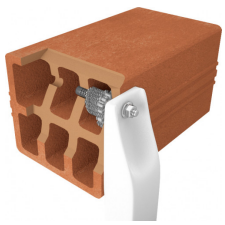
Ondergrond

- Baksteen,
- Bouwsteen,
- Cellenbeton.

Toepassingsgebieden

- Rolluiken, scharnieren voor luiken/poorten, antennes,
- Sanitair, radiatoren, airconditioners,
- Leuningen/hekwerk.

Fixation d'une rampe d'escalier



Technische gegevens

Références

Referentie	Product information				
	Grey color	Beige color	Content [ml]	Weigth [kg]	Packaging qty [pcs]
POLYGPG300G-FR	x	-	300	0.579	12
POLYGPG300G-ES	x	-	300	0.579	12
POLYGPG300B-FR	-	x	300	0.579	12

Design resistance – Tension – NRd [kN] – Carbon steel 5.8

Referentie	Design resistance – N_{Rd} – Carbon steel 5.8 [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + LMAS M8	6.3	6.3	6.3	6.3	9.4	9.4	9.4	9.4
POLY-GPG + LMAS M10	9.8	9.8	9.8	9.8	14.7	14.7	14.7	14.7
POLY-GPG + LMAS M12	13.1	13.1	13.1	13.1	19.6	19.6	19.6	19.6
POLY-GPG + LMAS M16	19.9	19.9	19.9	19.9	29.9	29.9	29.9	29.9
POLY-GPG + LMAS M20	28.7	28.7	28.7	28.7	43.1	43.1	43.1	43.1
POLY-GPG + LMAS M24	37.9	37.9	37.9	37.9	56.8	56.8	56.8	56.8

Concrete :
1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter is 10mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges (c ≤ max [10 hef; 60d]) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Design resistance – Tension – NRd [kN] – Stainless steel A4-70

Referentie	Design resistance – N_{Rd} – Stainless steel A4-70 [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + LMAS M8	6.3	6.3	6.3	6.3	9.4	9.4	9.4	9.4
POLY-GPG + LMAS M10	9.8	9.8	9.8	9.8	14.7	14.7	14.7	14.7
POLY-GPG + LMAS M12	13.1	13.1	13.1	13.1	19.6	19.6	19.6	19.6
POLY-GPG + LMAS M16	19.9	19.9	19.9	19.9	29.9	29.9	29.9	29.9
POLY-GPG + LMAS M20	28.7	28.7	28.7	28.7	43.1	43.1	43.1	43.1
POLY-GPG + LMAS M24	37.9	37.9	37.9	37.9	56.8	56.8	56.8	56.8

Concrete :
1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter is 10mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges (c ≤ max [10 hef; 60d]) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Design resistance – Shear – VRd [kN] – Carbon steel 5.8

Referentie	Design resistance – V_{Rd} – Carbon steel 5.8 [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + LMAS M8	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
POLY-GPG + LMAS M10	12	12	12	12	12	12	12	12
POLY-GPG + LMAS M12	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
POLY-GPG + LMAS M16	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
POLY-GPG + LMAS M20	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
POLY-GPG + LMAS M24	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4

Concrete :
1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter is 10mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges (c ≤ max [10 hef; 60d]) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Design resistance – Shear – VRd [kN] – Stainless steel A4-70

Referentie	Design resistance – V_{Rd} – Stainless steel A4-70 [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + LMAS M8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
POLY-GPG + LMAS M10	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
POLY-GPG + LMAS M12	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
POLY-GPG + LMAS M16	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
POLY-GPG + LMAS M20	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
POLY-GPG + LMAS M24	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5

Concrete :
1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter is 10mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges (c ≤ max [10 hef; 60d]) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Design resistance – Bending moment – MRd [Nm] – Concrete

Referentie	Design resistance – Bending moment – M_{Rd} - Concrete [Nm]	
	Carbon steel 5.8	Stainless steel A4-70
POLY-GPG + LMAS M8	15.2	16.7
POLY-GPG + LMAS M10	29.6	33.3
POLY-GPG + LMAS M12	52	60.9
POLY-GPG + LMAS M16	132.8	148.7
POLY-GPG + LMAS M20	259.2	291
POLY-GPG + LMAS M24	448	502.6

Concrete :
1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing s ≥ 15 cm (any diameter) or with a rebar spacing s ≥ 10 cm, if the rebar diameter is 10mm or smaller.
2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges (c ≤ max [10 hef; 60d]) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.
3. Concrete is considered non-cracked when the tensile stress within the concrete is\sigmaL +\sigmaR ≤ 0. In the absence of detailed verification\sigmaR = 3 N/mm² can be assumed (\sigmaL equals the tensile stress within the concrete induced by external loads, anchors loads included).

Design resistance – hef = 80 mm (≤ M8) or 85 mm (≥ M10) – Carbon steel ≥ 4.6 / Stainless steel ≥ A2-70

Referentie	Design resistance – Carbon steel ≥ 4.6 / stainless steel ≥ A2-70			
	h_{ef} = 80 mm (≤ M8) or 85 mm (≥ M10)			
	Tension - N_{Rd} [kN]		Shear - V_{Rd} [kN]	
	Solid Clay Masonry	Hollow Masonry	Solid Clay Masonry	Hollow Masonry
POLY-GPG + LMAS M6	1.6	0.3	0.8	0.6
POLY-GPG + LMAS M8	1.6	0.3	0.8	0.6
POLY-GPG + LMAS M10	2	0.6	2.4	0.6
POLY-GPG + LMAS M12	2	0.6	2.4	0.6

Masonry :

	Compressive strength f_b [N/mm²]	Bulk density ρ [kg/m^3]
Solid clay masonry	≥ 18	≥ 1600
Hollow masonry	≥ 6	≥ 900

1. The design resistances have been calculated using the partial safety factors for resistances stated in ETA-approval(s).
2. The recommended loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s) and with a partial safety factor for actions of γF=1.4.
3. For combined tension and shear loads or anchor groups and/or in case of edge influence, a calculation acc. TR 054, design method A shall be performed. For details see ETA - assessment(s)
4. Temperature range: -40°C/+40°C (Tmlp = +24°C)
5. Coefficiant factor β for in situ tests acc. ETAG 029 see ETA-19/XXXX; Annex C2
6. Displacements under service load see ETA-19/0420; Annex C2 & C3

Datasheet

POLY-GPG
Hars voor multimaterialen

Design resistance – Bending moment – MRd [Nm] – Masonry

Referentie	Design resistance – Bending moment – M_{Rd} - Masonry [Nm]		
	Carbon steel 5.8	Carbon steel 8.8	Stainless steel ≥ A2-70
POLY-GPG + LMAS M6	6.4	9.6	7.1
POLY-GPG + LMAS M8	15.2	24	16.7
POLY-GPG + LMAS M10	29.6	48	33.3
POLY-GPG + LMAS M12	52.8	84	59

Masonry :

	Compressive strength f_b [N/mm²]	Bulk density ρ [kg/m^3]
Solid clay masonry	≥ 18	≥ 1600
Hollow masonry	≥ 6	≥ 900

1. The design resistances have been calculated using the partial safety factors for resistances stated in ETA-approval(s).
2. The recommended loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s) and with a partial safety factor for actions of γF=1.4.
3. For combined tension and shear loads or anchor groups and/or in case of edge influence, a calculation acc. TR 054, design method A shall be performed. For details see ETA - assessment(s)
4. Temperature range: -40°C/+40°C (Tmlp = +24°C)
5. Coefficiant factor β for in situ tests acc. ETAG 029 see ETA-19/XXXX; Annex C2
6. Displacements under service load see ETA-19/0420; Annex C2 & C3

Design resistance – Tension – NRd [kN] – Rebar

Referentie	Design resistance – N_{Rd} – Rebar [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + Ø8	4.9	4.9	4.9	4.9	7.4	7.4	7.4	7.4
POLY-GPG + Ø10	7.7	7.7	8.4	8.4	11.5	11.5	12.7	12.7
POLY-GPG + Ø12	11.1	12.2	12.2	13.3	16.6	18.2	18.2	19.9
POLY-GPG + Ø16	15.3	16.8	16.8	18.4	23	25.3	25.3	27.6
POLY-GPG + Ø20	23.9	26.3	26.3	28.7	35.9	39.5	39.5	43.1
POLY-GPG + Ø25	37.4	41.1	44.9	48.6	53.8	59.2	64.6	70

Design resistance – Shear – VRd [kN] – Rebar

Referentie	Design resistance – V_{Rd} – Rebar [kN]							
	Non-cracked concrete							
	h_{ef} = 8d				h_{ef} = 12d			
	C20/25	C30/37	C40/50	C50/60	C20/25	C30/37	C40/50	C50/60
POLY-GPG + Ø8	9	9	9	9	9	9	9	9
POLY-GPG + Ø10	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
POLY-GPG + Ø12	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
POLY-GPG + Ø16	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
POLY-GPG + Ø20	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
POLY-GPG + Ø25	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4

Design resistance – Bending moment – MRd [Nm] – Rebar

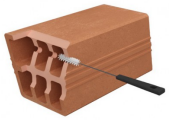
Referentie	Design resistance – Bending moment – M_{Rd} – Rebar [Nm]
POLY-GPG + Ø8	21.6
POLY-GPG + Ø10	42.3
POLY-GPG + Ø12	73.5
POLY-GPG + Ø16	173.7
POLY-GPG + Ø20	339.1
POLY-GPG + Ø25	662.7

Plaatsing

Plaatsingstijd

Temperatuur [°C]	-5	0	5	10	20	30
Verwerkingstijd	2.15	1.15	25min	12min	6min	2min
Belastbaar na	4.00	2.00	1.30	40min	20min	15min

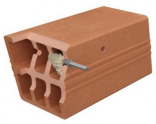
1. Gat boren.



2. Schoonborstelen.

3. Zeefhuls insteken.

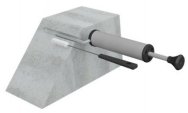
4. Vullen vanaf bodemgat naar buiten door bij het pompen telkens één maatstreep op de spuitmond achteruit te gaan.



5. Ankerstang licht draaiend insteken.

Fix when the curing time is reached.

1. Gat boren.



2. Boorgat reinigen door uitborstelen en uitblazen zoals aangegeven op de patroon.

3. Gat voor de helft tot twee derde vullen vanaf het bodemgat naar buiten door bij het pompen telkens één maatstreep op de spuitmond achteruit te gaan.

4. Draadstang insteken door langzaam van links naar rechts te draaien. U kunt de draadstang verplaatsen of hars toevoegen zolang de verwerkingstijd niet bereikt is.

5. Vastzetten na het bereiken van de uithardingstijd.

Installation parameters – Concrete

Referentie	Installation parameters - Concrete					
	Ø drilling [d_0] [mm]	Max. fixture hole Ø [d_f] [mm]	Drilling depth (8d) [h_0=h_{ef}=8d] [mm]	Drilling depth (12d) [h_0=h_{ef}=12d] [mm]	Wrench size [SW]	Installation torque [T_{inst}] [Nm]
POLYGPG300G-FR	-	-	-	-	-	-
POLYGPG300G-ES	-	-	-	-	-	-
POLYGPG300B-FR	-	-	-	-	-	-
POLY-GPG + LMAS M6	-	-	-	-	-	-
POLY-GPG + LMAS M8	10	9	64	96	13	10
POLY-GPG + LMAS M10	12	12	80	120	17	12
POLY-GPG + LMAS M12	14	14	96	144	19	20
POLY-GPG + LMAS M16	18	18	128	196	24	40
POLY-GPG + LMAS M20	24	22	160	240	30	70
POLY-GPG + LMAS M24	28	26	192	288	36	90
POLY-GPG + Ø8	-	-	-	-	-	-
POLY-GPG + Ø10	-	-	-	-	-	-
POLY-GPG + Ø12	-	-	-	-	-	-
POLY-GPG + Ø16	-	-	-	-	-	-
POLY-GPG + Ø20	-	-	-	-	-	-
POLY-GPG + Ø25	-	-	-	-	-	-
POLYGPG300BG-SE	-	-	-	-	-	-

Spacing, edge distances and member thickness – Concrete

Referentie	Spacing, edge distance and member thickness - Concrete									
	Effective embedment depth (8d) [$h_{ef,8d}$] [mm]	Characteristic spacing for $h_{ef,8d}$ [$S_{cr,N}$] [mm]	Characteristic edge distance for $h_{ef,8d}$ [$c_{cr,N}$] [mm]	Min. member thickness for $h_{ef,8d}$ [h_{min}] [mm]	Effective embedment depth (12d) [$h_{ef,12d}$] [mm]	Characteristic spacing for $h_{ef,12d}$ [$S_{cr,N}$] [mm]	Characteristic edge distance for $h_{ef,12d}$ [$c_{cr,N}$] [mm]	Min. member thickness for $h_{ef,12d}$ [h_{min}] [mm]	Min. spacing [S_{min}] [mm]	Mir edg distar [C_{mi} [mm
POLYGPG300G-FR	-	-	-	-	-	-	-	-	-	-
POLYGPG300G-ES	-	-	-	-	-	-	-	-	-	-
POLYGPG300B-FR	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M6	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M8	64	192	96	100	96	288	144	126	40	40
POLY-GPG + LMAS M10	80	240	120	110	120	360	180	150	50	50
POLY-GPG + LMAS M12	96	288	144	126	144	432	216	174	60	60
POLY-GPG + LMAS M16	128	384	192	158	196	588	294	226	80	80
POLY-GPG + LMAS M20	160	480	240	190	240	720	360	270	100	10
POLY-GPG + LMAS M24	192	576	288	222	288	864	432	318	120	12
POLY-GPG + Ø8	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø10	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø12	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø16	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø20	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø25	-	-	-	-	-	-	-	-	-	-
POLYGPG300BG-SE	-	-	-	-	-	-	-	-	-	-

Installation parameters – Masonry – Solid clay masonry

Referentie	Installation parameters - Solid clay masonry				
	Ø drilling [d_0] [mm]	Max. fixture hole Ø [d_f] [mm]	Drilling depth [h_1] [mm]	Embedment depth [h_{ef}] [mm]	Installation torque [T_{inst}] [Nm]
POLYGPG300G-FR	-	-	-	-	-
POLYGPG300G-ES	-	-	-	-	-
POLYGPG300B-FR	-	-	-	-	-
POLY-GPG + LMAS M6	8	7	85	80	1
POLY-GPG + LMAS M8	10	9	85	80	1
POLY-GPG + LMAS M10	12	12	90	85	1
POLY-GPG + LMAS M12	14	14	90	85	1
POLY-GPG + LMAS M16	-	-	-	-	-
POLY-GPG + LMAS M20	-	-	-	-	-
POLY-GPG + LMAS M24	-	-	-	-	-
POLY-GPG + Ø8	-	-	-	-	-
POLY-GPG + Ø10	-	-	-	-	-
POLY-GPG + Ø12	-	-	-	-	-
POLY-GPG + Ø16	-	-	-	-	-
POLY-GPG + Ø20	-	-	-	-	-
POLY-GPG + Ø25	-	-	-	-	-
POLYGPG300BG-SE	-	-	-	-	-

Installation parameters – Masonry – Hollow masonry

Referentie	Installation parameters - Hollow masonry				
	Ø drilling [d_0] [mm]	Max. fixture hole Ø [d_f] [mm]	Drilling depth [h_1] [mm]	Embedment depth [h_{ef}] [mm]	Installation torque [T_{inst}] [Nm]
POLYGPG300G-FR	-	-	-	-	-
POLYGPG300G-ES	-	-	-	-	-
POLYGPG300B-FR	-	-	-	-	-
POLY-GPG + LMAS M6	12	7	85	80	2
POLY-GPG + LMAS M8	12	9	85	80	2
POLY-GPG + LMAS M10	16	12	90	85	2
POLY-GPG + LMAS M12	16	14	90	85	2
POLY-GPG + LMAS M16	-	-	-	-	-
POLY-GPG + LMAS M20	-	-	-	-	-
POLY-GPG + LMAS M24	-	-	-	-	-
POLY-GPG + Ø8	-	-	-	-	-
POLY-GPG + Ø10	-	-	-	-	-
POLY-GPG + Ø12	-	-	-	-	-
POLY-GPG + Ø16	-	-	-	-	-
POLY-GPG + Ø20	-	-	-	-	-
POLY-GPG + Ø25	-	-	-	-	-
POLYGPG300BG-SE	-	-	-	-	-

Spacing, edge distances and member thickness – Masonry – Solid clay masonry

Referentie	Spacing, edge distance and member thickness - Solid clay masonry			
	Min. spacing [s_{min}] [mm]			Min. edge distance [c_{min}] [mm]
	$s_{cr,N} = s_{min}$ [mm]	$s_{cr,N} \parallel = s_{min} \parallel$ [mm]	$s_{cr,N}^{T} = s_{min}^{T}$ [mm]	$c_{cr,N} = c_{min}$ [mm]
POLYGPG300G-FR	-	-	-	-
POLYGPG300G-ES	-	-	-	-
POLYGPG300B-FR	-	-	-	-
POLY-GPG + LMAS M6	240	-	-	120
POLY-GPG + LMAS M8	240	-	-	120
POLY-GPG + LMAS M10	255	-	-	127.5
POLY-GPG + LMAS M12	255	-	-	127.5
POLY-GPG + LMAS M16	-	-	-	-
POLY-GPG + LMAS M20	-	-	-	-
POLY-GPG + LMAS M24	-	-	-	-
POLY-GPG + Ø8	-	-	-	-
POLY-GPG + Ø10	-	-	-	-
POLY-GPG + Ø12	-	-	-	-
POLY-GPG + Ø16	-	-	-	-
POLY-GPG + Ø20	-	-	-	-
POLY-GPG + Ø25	-	-	-	-
POLYGPG300BG-SE	-	-	-	-

Spacing, edge distances and member thickness – Masonry – Hollow masonry

Referentie	Spacing, edge distance and member thickness - Hollow masonry			
	Min. spacing [s_{min}] [mm]			Min. edge distance [c_{min}] [mm]
	$s_{cr,N} = s_{min}$ [mm]	$s_{cr,N} \parallel = s_{min} \parallel$ [mm]	$s_{cr,N}^{T} = s_{min}^{T}$ [mm]	$c_{cr,N} = c_{min}$ [mm]
POLYGPG300G-FR	-	-	-	-
POLYGPG300G-ES	-	-	-	-
POLYGPG300B-FR	-	-	-	-
POLY-GPG + LMAS M6	-	250	120	100
POLY-GPG + LMAS M8	-	250	120	100
POLY-GPG + LMAS M10	-	250	120	100
POLY-GPG + LMAS M12	-	250	120	100
POLY-GPG + LMAS M16	-	-	-	-
POLY-GPG + LMAS M20	-	-	-	-
POLY-GPG + LMAS M24	-	-	-	-
POLY-GPG + Ø8	-	-	-	-
POLY-GPG + Ø10	-	-	-	-
POLY-GPG + Ø12	-	-	-	-
POLY-GPG + Ø16	-	-	-	-
POLY-GPG + Ø20	-	-	-	-
POLY-GPG + Ø25	-	-	-	-
POLYGPG300BG-SE	-	-	-	-

Installation parameters – Rebar

Referentie	Installation parameters – Rebar		
	Ø drilling [d_0] [mm]	Drilling depth (8d) [h_0=h_{ef}=8d] [mm]	Drilling depth (12d) [h_0=h_{ef}=12d] [mm]
POLYGPG300G-FR	-	-	-
POLYGPG300G-ES	-	-	-
POLYGPG300B-FR	-	-	-
POLY-GPG + LMAS M6	-	-	-
POLY-GPG + LMAS M8	-	-	-
POLY-GPG + LMAS M10	-	-	-
POLY-GPG + LMAS M12	-	-	-
POLY-GPG + LMAS M16	-	-	-
POLY-GPG + LMAS M20	-	-	-
POLY-GPG + LMAS M24	-	-	-
POLY-GPG + Ø8	12	64	96
POLY-GPG + Ø10	14	80	120
POLY-GPG + Ø12	16	96	144
POLY-GPG + Ø16	20	128	192
POLY-GPG + Ø20	25	160	240
POLY-GPG + Ø25	32	200	288
POLYGPG300BG-SE	-	-	-

Spacing, edge distances and member thickness – Rebar

Referentie	Spacing, edge distance and member thickness – Rebar									
	Effective embedment depth (8d) [$h_{ef,8d}$] [mm]	Characteristic spacing for $h_{ef,8d}$ [$S_{cr,N}$] [mm]	Characteristic edge distance for $h_{ef,8d}$ [$c_{cr,N}$] [mm]	Min. member thickness for $h_{ef,8d}$ [h_{min}] [mm]	Effective embedment depth (12d) [$h_{ef,12d}$] [mm]	Characteristic spacing for $h_{ef,12d}$ [$S_{cr,N}$] [mm]	Characteristic edge distance for $h_{ef,12d}$ [$c_{cr,N}$] [mm]	Min. member thickness for $h_{ef,12d}$ [h_{min}] [mm]	Min. spacing [S_{min}] [mm]	Mir edg dista [C_{mi} [mn
POLYGPG300G-FR	-	-	-	-	-	-	-	-	-	-
POLYGPG300G-ES	-	-	-	-	-	-	-	-	-	-
POLYGPG300B-FR	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M6	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M8	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M10	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M12	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M16	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M20	-	-	-	-	-	-	-	-	-	-
POLY-GPG + LMAS M24	-	-	-	-	-	-	-	-	-	-
POLY-GPG + Ø8	64	192	96	100	96	288	144	126	40	40
POLY-GPG + Ø10	80	240	120	110	120	360	180	150	50	50
POLY-GPG + Ø12	96	288	144	126	144	432	216	174	60	60
POLY-GPG + Ø16	128	384	192	168	192	576	288	232	80	80
POLY-GPG + Ø20	160	480	240	210	240	720	360	290	100	10(
POLY-GPG + Ø25	200	600	300	264	288	864	432	352	120	12(
POLYGPG300BG-SE	-	-	-	-	-	-	-	-	-	-