



for tomorrow's
Technology

Universal Plaster Additive



for tomorrow's

World

BioWet™ P 77 & BioWet™ P 80

Biodegradable & VOC-free

Universal Plaster Additives

BioWet™ P 77 & BioWet™ P 80

Usage of BioWet™ P 77/P 80 allows ease of formulation of various renders (Putz): emulsion based, silicone resin based as well as silicate based renders. These can now be formulated from only one 'master batch'.

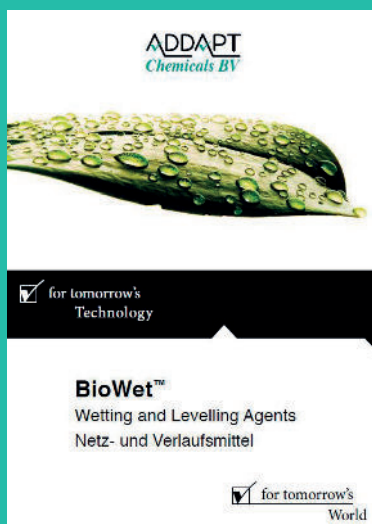
When using BioWet™ P 77/ P 80 renders of 0.5 mm up to 3.0 mm can easily be created. At the same time, usage of the additive leads to very good flow of the render and pinhole free render can be obtained.

Benefits

A unique feature of BioWet™ P 77/P 80 is the good drying profile at both high temperatures (> 30°C) and low temperatures (5°C). No separate additives are needed. Also, BioWet™ P 77/P 80 is VOC- and label free and exhibits extremely low odour.

Another feature of BioWet™ P 77/P 80 is that various 'basic' chemicals are no longer needed (the 'master batch' approach). This means that stock levels of raw materials can be reduced drastically. Because these raw materials can be left out, production cycles can be reduced by up to 50%.

"For more information please take a look at the BioWet™ brochure".



Typical chemical and physical properties

BioWet™ P 77/P 80 is a VOC-free universal additive for renders (Putz) and putties.

BioWet™ P 77/P 80 is a blend of multi-alcohols and polymers in water.

BioWet™ P 77

Appearance	White liquid
Odour	Slight
Viscosity at 25 °C	max 2.500 mPa·s
Density at 25 °C	0.95 – 1.10 g/ml
pH at 25 °C	6.0 - 9.0
Solubility in water	Dispersible

BioWet™ P 80

Appearance	White liquid
Odour	Slight
Viscosity at 25 °C	200 - 1.500 mPa·s
Density at 25 °C	1.00 – 1.10 g/ml
pH at 25 °C	8.5 - 11.5
Solubility in water	Dispersible

BioWet™ P 77 contains a standard dispersant that produces the expected colour scheme. BioWet™ P 80, formulated for tinting systems, features a dispersant that enhances tinting paste uptake, leading to improved colour development and rub-out. It also reduces application time and provides excellent hydrophobicity.

Applications & typical treat level recommended

- Renders (Putz) and putties 1.0 - 3.0%

Chemicals that are no longer needed

- Separate dispersant(s)
- Glycols (like MPG)
- Solvents (depends on binder MFT)
- KOH or NH₃ solution
- Additional open time additives (fatty-alcohols; wax emulsions)
- Separate drying additives (for low temperatures)

BioWet™ P 77/ P 80

Master batch I

Render (Putz) Master batch I - Fibre containing		
Item	Component	Weight
1	Water	28.60
2	Fibres STW 235/040	1.00
3	TiCell P/90G ¹	0.60
4	ADDAPTOL™ DB ²	0.50
5	BioWet™ P 77/P 80	10.00
6	Foamstop™ VF 10N	0.30
7	Acticide MBS	0.70
8	Arbocell B400	1.00
9	Arbocell B600	1.50
10	Intalc 12060 LA ³	10.00
11	Celite 388	2.00
12	Binder	37.00
13	Foamstop™ VF 10N	0.20
14	BioWet™ PC	4.00
15	Acticide MKB 3	2.00
16	HASE thickener	0.10
17	Thixsol 53 L	0.50
Total		100.00

BioWet™ P 77/P 80

Master batch II

Render (Putz) Master batch II - Fibre free		
Item	Component	Weight
1	Water	23.10
2	TiCell P/90G ¹	0.60
3	ADDAPTOL™ DB ²	0.50
4	BioWet™ P 77/P 80	10.00
5	Foamstop™ VF 10N	0.30
6	Acticide MBS	0.70
7	Mica Celia 250L ³	8.00
8	Intalc 12060 LA ³	8.00
9	Celite 388	2.00
10	Binder	40.00
11	Foamstop™ VF 10N	0.20
12	BioWet™ PC	4.00
13	Acticide MKB 3	2.00
14	HASE thickener	0.10
15	Thixsol 53 L	0.50
Total		100.00

¹Very low viscosity cellulose thickener
²Optional - depending on binder
³Prevents mud cracking

Emulsion bound render - 1.5 mm white

Item	Component	Weight
1	Master batch I or II	26.00
2	Foamstop VF™ 10N	0.10
3	Titanium dioxide	2.00
4	Dorkafill H	1.00
5	Intalc 12060 LA	1.50
6	Omyacarb 50GU	31.00
7	Inducarb 1.0-1.5	38.00
8	Water	0.40
Total		100.00

Silicate render - 1.5 mm white

Item	Component	Weight
1	Master batch I or II	23.00
2	Foamstop™ VF 10N	0.10
3	Titanium dioxide	2.00
4	Dorkafill H	1.00
5	Intalc 12060 LA	1.50
6	Omyacarb 50GU	31.00
7	Inducarb 1.0-1.5	38.00
8	SilStab™ L100	1.30
9	Water	2.10
Total		100.00

Silicone render - 1.5 mm white

Item	Component	Weight
1	Master batch I or II	23.00
2	Silicon Resin	3.00
3	Foamstop™ VF 10N	0.10
4	Titanium dioxide	2.00
5	Dorkafill H	1.00
6	Intalc 12060 LA	1.50
7	Omyacarb 50GU	31.00
8	Inducarb 1.0-1.5	38.00
9	Water	0.40
Total		100.00

Silicone/Silicate render - 1.5 mm white

Item	Component	Weight
1	Master batch I or II	24.00
2	Silicon resin	1.00
3	Foamstop™ VF 10N	0.10
4	Titanium dioxide	2.00
5	Dorkafill H	1.00
6	Intalc 12060 LA	1.50
7	Omyacarb 50GU	31.00
8	Inducarb 1.0-1.5	38.00
9	SilStab™ L100	0.53
10	Water	0.87
Total		100.00



Legend

Component	Description	Component	Description
Acticide MBS	In can preservative	HASE thickener	Thickener high shear
Acticide MKB 3	Film preservative	Inducarb	Stones
ADDAPTOL™ DB	Coalescing agent	Intalc 12060 LA	Sighted talcum filler
Arbocell B400	Cellulose	Mica Celia 250L	Muskovit Glimmer
Arbocell B600	Cellulose	Omyacarb	Filler
BioWet™ PC	Drying speed / levelling	SilStab™ L100	Potassium Silicate
BioWet™ P 77/P 80	Special additive	Thixsol 53 L	Thickener low shear
Celite 388	Filler	TiCell P/90G	Cellulose thickener
Dorkafill H	Filler	Titanium dioxide	White pigment
Foamstop™ VF 10N	Defoamer		

- A list of suppliers and additional formulations are available upon request-



CONTACT INFORMATION

ADDAPT Chemicals B.V.

Speltdijk 1
5704 RJ Helmond
The Netherlands

Tel.: +31 (0)492 59 75 75
E-mail: info@addapt-chem.com
<http://www.addapt-chem.com>

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