

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-free

Product	Elftex <sup>®</sup>	Colour Black	Colour Black	Colour Black
	435 (Cabot)	FW 200 (Evonik)	FW 285 (Evonik)	FW 200 (Evonik)
Water (demin.)	43.7	60.0	62.9	53.5
TEGO <sup>®</sup> Dispers 745 W	35.0	22.5	20.0	–
TEGO <sup>®</sup> Dispers 750 W	–	–	–	28.0
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	0.2	1.4	2.0	1.4
Pigment	20.0	15.0	14.0	16.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	60 %	57 %	70 %

\* Depending on the pigment and the coating system TEGO<sup>®</sup> Foamex 8050, TEGO<sup>®</sup> Foamex 810 or TEGO<sup>®</sup> Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

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Product	Colour Black FW 285 (Evonik)	Special Black 4 (Evonik)	Lamp Black 101 (Evonik)	Printex® 95 (Evonik)
Water (demin.)	54.9	31.4	31.4	49.2
TEGO® Dispers 750 W	28.0	40.5	40.5	29.7
Defoamer*	1.0	1.0	1.0	1.0
Pigment	16.0	27.0	27.0	20.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	60 %	60 %	60 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

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Waterborne. binder-free

Product	Printex® U (Evonik)	Printex® XE-2 (Evonik)	Monarch® 1300 (Cabot)	Monarch® 1500 (Cabot)
Water (demin.)	38.4	63.0	35.4	59.6
TEGO® Dispers 750 W	38.5	22.7	40.5	18.0
TEGO® Dispers 760 W	–	–	–	5.1
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	–	0.2	–	1.2
Pigment	22.0	13.0	23.0	15.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	70 %	70 %	60 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

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Waterborne. binder-free

Product	Colour Black FW 200 (Evonik)	Colour Black FW 285 (Evonik)	Emperor® 2000 (Cabot)	Special Black 4 (Evonik)
Water (demin.)	51.9	53.7	64.7	48.1
TEGO® Dispers 750 W	15.0	19.5	15.0	–
TEGO® Dispers 760 W	15.0	9.7	4.3	7.8
TEGO® Dispers 650	–	–	–	9.0
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	1.0	–	–	–
Pigment	16.0	16.0	15.0	34.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	70 %	50 %	35 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-free

Product	Colour Black FW 200 (Evonik)	Raven® 5000 II (Columbian)	Emperor® 2000 (Cabot)	Special Black 4 (Evonik)
Water (demin.)	48.4	47.9	42.6	42.6
TEGO® Dispers 755 W	31.5	30.0	31.3	31.3
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	1.0	1.0	–	–
Pigment	18.0	20.0	25.0	25.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	60 %	50 %	50 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-free

Product	Special Black 100 (Evonik)	Colour Black FW 200 (Evonik)	Colour Black FW 171 (Evonik)	Colour Black FW 200 (Evonik)
Water (demin.)	28.9	49.9	49.9	43.6
TEGO® Dispers 755 W	35.0	14.0	14.0	–
TEGO® Dispers 760 W	–	16.0	16.0	34.3
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	–	1.0	1.0	1.0
Pigment	35.0	18.0	18.0	20.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	40 %	70 %	70 %	60 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-free

Product	Printex® 35 (Evonik)	Printex® 300 (Evonik)	Lamp Black 101 (Evonik)
Water (demin.)	34.4	36.5	36.9
TEGO® Dispers 741 W	–	–	27.0
TEGO® Dispers 765 W	15.0	16.9	–
TEGO® Foamex 810*	0.5	0.5	1.0
AMP 90 (10 % in Water) (Angus)	1.0	–	–
Pigment	50.0	45.0	35.0
Biocide	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	12 %	15 %	23 %

\* silicone-containing defoamer concentrate

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-containing

Product	Special Black 4 (Evonik)	Special Black 4 (Evonik)	Special Black 4 (Evonik)	Special Black 100 (Evonik)
Water (demin.)	37.3	35.2	34.5	34.5
TEGO® VariPlus DS 50 (33 %)	30.3	27.6	33.4	33.4
TEGO® Dispers 750 W	8.4	13.2	–	–
TEGO® Dispers 755 W	–	–	8.4	8.4
AMP 90 (Angus)	0.3	0.3	–	–
Defoamer*	1.0	1.0	1.0	1.0
Aerosil 200 (Evonik)**	0.6	0.6	0.6	0.6
Pigment	22.0	22.0	22.0	22.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	15 %	24 %	15 %	15 %
Resin solids on pigment	46 %	41 %	50 %	50 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.

TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

\*\* rheology modifier

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. binder-containing

Product	Special Black 4 (Evonik)	Special Black 4 (Evonik)	Special Black 4 (Evonik)	Monarch® 430 (Cabot)
Water (demin.)	39.1	36.8	34.9	20.2
Joncryl® 61 (35 %) (BASF)	-	-	-	17.0
Laropal® LR 8991 (35 %) (BASF)	28.6	-	-	-
Laropal® LR 9008 (35 %) (BASF)	-	26.0	26.0	-
TEGO® Dispers 745 W	8.4	-	-	-
TEGO® Dispers 750 W	-	13.2	-	-
TEGO® Dispers 760 W	-	-	15.1	25.7
Defoamer*	1.0	1.0	1.0	1.0
AMP 90 (Angus)	0.2	0.3	0.3	-
Aerosil® 200 (Evonik)**	0.6	0.6	0.6	-
Pigment	22.0	22.0	22.0	36.0
Biocide	0.1	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	15 %	15 %	24 %	25 %
Resin solids on pigment	45.5 %	41 %	41 %	16.5 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

\*\* rheology modifier

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Waterborne. universal

Product	Lamp Black 101 (Evonik)	Monarch* 1300 (Cabot)	Lamp Black 101 (Evonik)
Water (demin.)	70.9	81.9	56.0
TEGO® Dispers 650	8.0	7.0	–
TEGO® Dispers 651	–	–	22.9
Defoamer*	1.0	1.0	1.0
Pigment	20.0	10.0	20.0
Biocide	0.1	0.1	0.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	40 %	70 %	34 %

\* Depending on the pigment and the coating system TEGO® Foamex 8050.  
TEGO® Foamex 810 or TEGO® Foamex 830 are suitable.

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Solventborne. binder-containing

Product	Colour Black FW 200 (Evonik)	Colour Black FW 200 (Evonik)	Special Black 4 (Evonik)	Printex® U (Evonik)
Laropal® A 81 (60 % in MPA) (BASF)	40.0	39.0	30.0	30.0
TEGO® Dispers 670	28.0	–	15.6	15.6
TEGO® Dispers 710	–	10.3	–	–
Methoxypropylacetat	16.0	38.7	29.4	29.4
Pigment	16.0	12.0	25.0	25.0
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	70 %	30 %	25 %	25 %
Resin solids on pigment	150 %	195 %	72 %	72 %

# Pigment concentrates based on different carbon blacks

## C.I. PBk 7

Solventborne. binder-containing

Product	Special Black 4 (Evonik)	Special Black 4 (Evonik)
TEGO® VariPlus EP-UC (60 % in MPA)	30.0	-
TEGO® VariPlus TC (60 % in MPA)	-	25.7
TEGO® Dispers 710	17.1	15.8
Methoxypropylacetat	32.9	36.5
Pigment	20.0	22.0
<b>Total</b>	<b>100.0</b>	<b>100.0</b>
Additive solids on pigment	30 %	25 %
Resin solids on pigment	90 %	70 %