

## PressView instruction

# Create a new color strip using an .csv file

This instruction explains how to make a strip definition for PressView using a simple text editor. the strip definition then can be imported via the Management Module.

### Preparations

Before we can build a strip definition, we need to have the physical color bar available either as an .eps or pdf file, or a printed version on sheet of paper. Open the color bar using your default editor (e.g. Adobe Illustrator or Acrobat).

### The PressView strip definition explained.

When using a .csv file, each patch in the color bar is defined as one line of code in the .csv file. the file starts with a header which defines the database fields that are used. **DO NOT CHANGE THE HEADER!**

Otherwise you cannot import the strip definition successfully.

A typical patch description looks like:

`TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,K100,S1_100,K,1,1`

It matches the fields that are described in the header:

`color_strip.name,color_strip.description,color_strip.rowcount,color_strip.repeats,color_strip.patchwidth,color_strip.patches_per_zone,color_strip.number_of_zones,percentage,ink_zone,process_identifier,spot_identifier,name,patch_type,tolerance_group`

So, the patch described above has the following database values:

<code>color_strip.name</code>	<code>TCS300 C6-1800</code>	Database name of the strip
<code>color_strip.description</code>	<code>Techkon TCS300 6color new version</code>	Database description of the strip
<code>color_strip.rowcount</code>	<code>1</code>	Number of rows in the strip
<code>color_strip.repeats</code>	<code>0 or false</code>	Not implemented yet. Always '0'
<code>color_strip.patchwidth</code>	<code>3.75</code>	Patch width in mm.
<code>color_strip.patches_per_zone</code>	<code>8</code>	Number of patches per ink zone
<code>color_strip.number_of_zones</code>	<code>60</code>	Number of ink zone in the strip
<code>percentage</code>	<code>100</code>	Percentage of ink, tint value
<code>ink_zone</code>	<code>1</code>	Ink zone number for this patch
<code>process_identifier</code>	<code>K100</code>	Identifier (PressView internal)*
<code>spot_identifier</code>	<code>S1_100</code>	Identifier (PressView internal)*
<code>name</code>	<code>K</code>	Name of the patch
<code>patch_type</code>	<code>1</code>	Patch type definition*
<code>tolerance_group</code>	<code>1</code>	Tolerance group definition*

\* Definitions are described in another part this document.

**Example: Two ink zones from the Techkon colorbar.**



should have the following code:

color\_strip.name,color\_strip.description,color\_strip.rowcount,color\_strip.repeats,color\_strip.patchwidth,color\_strip.patches\_per\_zone,color\_strip.number\_of\_zones,percentage,ink\_zone,process\_identifier,spot\_identifier,name,patch\_type,tolerance\_group

```
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,K100,S1_100,K,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,C100,S2_100,C,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,M100,S3_100,M,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,Y100,S4_100,Y,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,UNDEFINED,S1_100,S1,1,3
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,UNDEFINED,S2_100,S2,1,3
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,1,BMBR,UNDEFINED,BMBR,8,5
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,0,1,PW,PW,PW,5,6
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,K100,S1_100,K,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,C100,S2_100,C,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,M100,S3_100,M,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,Y100,S4_100,Y,1,1
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,UNDEFINED,S1_100,S1,1,3
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,100,2,UNDEFINED,S2_100,S2,1,3
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,80,2,K80,UNDEFINED,K,2,7
TCS300 C6-1800,Techkon TCS300 6color new version,1,0,3.75,8,60,40,2,K40,UNDEFINED,K,2,7
```

**Patch type definitions**

- 0 Undefined
- 1 Solid
- 2 Dot gain
- 3 SLUR
- 4 balance
- 5 paper white
- 6 balance highlight
- 7 balance mid tone
- 8 balance shadow
- 9 overprint
- 10 other

**Tolerance group definitions**

- 0 Undefined
- 1 Primaries
- 2 Secondaries
- 3 Spotcolor
- 4 Density
- 5 Gray balance
- 6 Paper white
- 7 Dot gain
- 8 Max
- 9 Average
- 10 Spread

### Process and spot color identifier names

It is very important you use the following naming convention:

#### Process color patches:

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
K100	S1_100	K	100	1	1
C100	S2_100	C	100	1	1
M100	S3_100	M	100	1	1
Y100	S4_100	Y	100	1	1

#### Spot color patches:

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
UNDEFINED	S1_100	S1	100	1	3
UNDEFINED	S2_100	S2	100	1	3

...

#### Overprint patches (M+Y, C+Y, C+M)

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
MY100	S3S4_100	MY	100	9	2
CY100	S2S4_100	CY	100	9	2
CM100	S2S3_100	CM	100	9	2

#### Dot gain patches:

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
K80	UNDEFINED	K	80	2	7
K40	UNDEFINED	K	40	2	7
C80	UNDEFINED	C	80	2	7
C40	UNDEFINED	C	40	2	7

...

#### Paper white patches:

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
PW	PW	PW	0	5	6

#### SLUR elements:

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
KSH	S1_SH	SLUR	100	0	0 (horizontal)
KSV	S1_SV	SLUR	100	0	0 (vertical)
CSH	S2_SH	SLUR	100	0	0 (horizontal)
CSV	S2_SV	SLUR	100	0	0 (vertical)

...

**Gray balance patches:**

Balance patches have a specific naming convention. That is because there are many descriptions of ‘what is a gray balance’. Some systems use C50/M40/Y40 for gray balance, while others use C50/M38/Y37. Of course, the different values have different CIE-Lab references. that is why we have embedded several different gray balance standards that we have encountered in the field in PressView.

The different definitions are:

Name	C	M	Y	Description
BHPV	20	14	13	Balance Highlight PressView
BMPV	80	70	68	Balance Mid tones Pressview
BSPV 4	0	29	28	Balance Shadow Pressview
BHMW	20	12	12	Balance Highlight MediaWedge
BMMW	40	27	27	Balance Mid tones Mediawedge
BSMW	80	65	65	Balance Shadow Mediawedge
BSTK	74	60	58	Balance Shadow Techkon
BSUG	75	62	60	Balance Shadow Ugra
BMBR	50	41	41	Balance Mid tones Brunner
BHGC	27	19	20	Balance Highlight ECI GrayControl
BMGC	45	36	36	Balance Midtones ECI GrayControl
BSGC	66	56	56	Balance Shadow ECI GrayControl

The highlight-mid tone and shadow definitions describe the patches that are displayed in PressView’s Gamut view. Please note that if you want to show the balance patch in the Gamut view, you need to set it up with the right patch type as well (6, 7, or 8).

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
BHPV	UNDEFINED	BHPV	100	6	5
BMPV	UNDEFINED	BMPV	100	7	5
BSPV	UNDEFINED	BSPV	100	8	5
...					

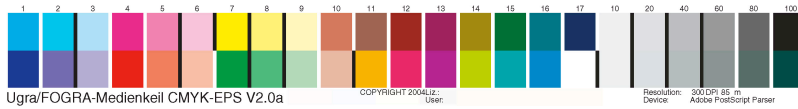
**Other ‘UNDEFINED’ patches**

If you have patches inside your color bar that cannot be measured like plate control patches, you can define them as ‘UNDEFINED’. PressView will ignore color readings from those patches.

Process Identifier	Spot identifier	Name	Percentage	Patch type	tolerance group
UNDEFINED	UNDEFINED	UNDEFINED	100	0	0

EXAMPLES

Ugra/Fogra mediawedge (v2.0a)



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color_strip.name,color_strip.description,color_strip.rowcount,color_strip.repeats,color_strip.patchwidth,color_strip.patches_per_zone,c
olor_strip.number_of_zones,percentage,ink_zone,process_identifier,spot_identifier,name,patch_type,tolerance_group
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,C100,UNDEFINED,C,1,1
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,C70,UNDEFINED,C,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,C40,UNDEFINED,C,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,M100,UNDEFINED,M,1,1
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,M70,UNDEFINED,M,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,M40,UNDEFINED,M,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,Y100,UNDEFINED,Y,1,1
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,Y70,UNDEFINED,Y,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,Y40,UNDEFINED,Y,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A10,UNDEFINED,MW_A10,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A11,UNDEFINED,MW_A11,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A12,UNDEFINED,MW_A12,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A13,UNDEFINED,MW_A13,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A14,UNDEFINED,MW_A14,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A15,UNDEFINED,MW_A15,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_A16,UNDEFINED,MW_A16,10,8
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Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,20,0,K20,UNDEFINED,K,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,K40,UNDEFINED,K,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,60,0,K60,UNDEFINED,K,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,80,0,K80,UNDEFINED,K,2,7
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,K100,UNDEFINED,K,1,1
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,CM100,UNDEFINED,CM,9,2
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,CM70,UNDEFINED,MW_B2,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,CM40,UNDEFINED,MW_B3,10,8
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Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,MY70,UNDEFINED,MW_B5,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MY40,UNDEFINED,MW_B6,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,CY100,UNDEFINED,CY,9,2
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,70,0,CY70,UNDEFINED,MW_B8,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,CY40,UNDEFINED,MW_B9,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B10,UNDEFINED,MW_B10,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B11,UNDEFINED,MW_B11,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B12,UNDEFINED,MW_B12,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B13,UNDEFINED,MW_B13,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B14,UNDEFINED,MW_B14,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B15,UNDEFINED,MW_B15,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_B16,UNDEFINED,MW_B16,10,8
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,0,0,PW,PW,PW,5,6
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,10,0,MW_G10,UNDEFINED,MW_G10,4,5
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,20,0,MW_G20,UNDEFINED,MW_G20,6,5
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,40,0,MW_G40,UNDEFINED,MW_G40,7,5
Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,60,0,MW_G60,UNDEFINED,MW_G60,4,5
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Ugra/Fogra Mediawedge,Ugra/Fogra Mediawedge V2.0a,2,false,9.5,,0,100,0,MW_G100,UNDEFINED,MW_G100,4,5

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**EXAMPLES**

**ECI Gray Control Medium i1 (version 2008)**



Please note the quotes in the description field. These are needed because a comma is used in the text. In this particular case, you only have to measure until the 'stop' patch. Start on the left (Cyan).

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color_strip.name,color_strip.description,color_strip.rowcount,color_strip.repeats,color_strip.patchwidth,color_strip.patches_per_zone,c
olor_strip.number_of_zones,percentage,ink_zone,process_identifier,spot_identifier,name,patch_type,tolerance_group
ECI GrayConM i1,"ECI GrayControl strip, medium size",1,false,7.0,,0,100,0,C100,S1_100,C,1,1
ECI GrayConM i1,"ECI GrayControl strip, medium size",1,false,7.0,,0,20,0,K20,S4_20,K,2,7
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ECI GrayConM i1,"ECI GrayControl strip, medium size",1,false,7.0,,0,100,0,BSGC,UNDEFINED,BSGC,8,5

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