Operation manual

Visualisation
The Paint Module

CAD Kitchens 8.0, CAD Decor 4.0, CAD Decor PRO 4.0

INTRODUCTION

This manual describes how to start working in the Visualization module, in the Paint Module.

We wish you a pleasant and fruitful work with our software!

CAD Projekt K&A team

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Visualisation - design with paint

1. Introductory remarks

Users of the programs have a paint module that allows them to select paints and other coatings to cover interior or exterior surfaces in a project. Products available include primers, enamels, paints and varnishes offered by Tikkurila and Sigma Coatings, leaders in the European decorative paint market.

Paint selection is possible at any stage of work with the project, in visualization mode. Paint selection can be done in several ways, which are described in the following sections of this manual. The products selected by the user can be entered directly into the project, as well as saved in his own individual palette. For each product, a detailed technical description is available in a PDF file for download from the manufacturer's official website. On the other hand, the final report created when working with the in paint module contains all the data necessary to place an order.

2. The first steps of working with the paint module

The paint module is available in the **"Materials"** tab left menu. There you will find two buttons with the names of manufacturers (Illustration 1). When you click on any of them, its name will appear in the **"Manufacturer"** field, and the module will be launched (replacing the left menu). The top bar of the module will display the logo(Illustration 2).

Illustration 1 Paint Module

The first step when working with the paint module is to select the type of products that will be used in the project, in terms of their intended use for exterior or interior surfaces (Illustration 2). After indicating the product group you are interested in, a list of available products will be displayed below.

At the top of the panel, the user can choose what category of products will be displayed (interior/exterior) and whether they will be displayed as a list of product types or color collections. If the user is looking for a specific product (e.g. acrylic paint, latex paint, silicone paint or wood impregnation), he should select, **"Product"**. A drop-down list will appear below, making it easier to find the product.
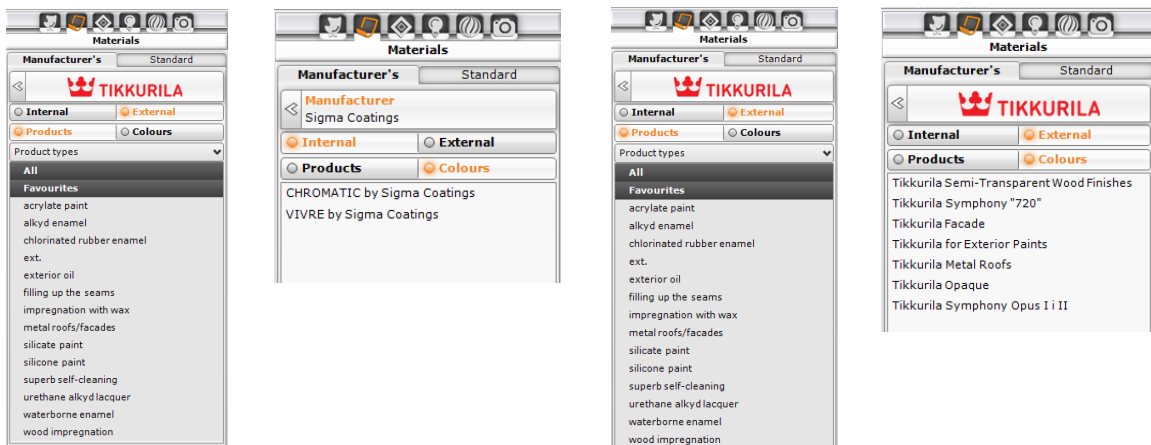

Illustration 2 Options for displaying products in the paint module

If, on the other hand, the user knows what color scheme he is interested in, but is not sure for which products it is available, he should select the **"Color"** button.

3. Searching in the module

3.1. Search by type

Selecting a manufacturer's offer by the criterion of a specific product is the first possible way to operate the program. If you choose this selection criterion, the next step after selecting **"Product"** and proceeding to the next step is to specify the selected product group in the drop-down list **"Group Products"**. This will display all products belonging to the group in the list below. At this point, the user should select the specific product they are interested in (Illustration 3). The available product options are displayed at the bottom of the middle window of the module.

At this point, three opportunities for further selection arise:

- option "Products"
- option "Color Cards"
- option „Textured"

It is also possible to search for a specific product by its color or by its code.

Illustration 3 Product selection

After selecting the **"Color"** option, the user will be presented with a list of all available Tikkurila or Sigma Coatings **"Colour Cards"** (Illustration 4). This method of selection is largely analogous to the procedures described above.
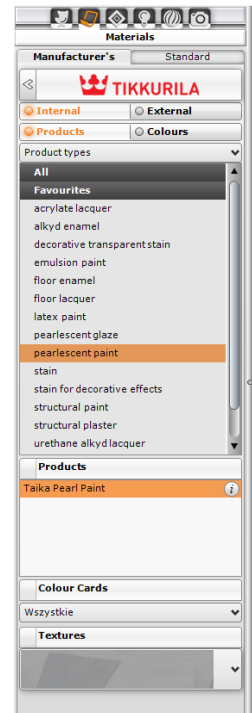

Illustration 4 Product selection by color card

The color card on which the product search is to be based should be selected by left-clicking on its name in the list. At this stage, two selection options become available **"search by code"** and **"search by color"**.

3.2. Search for a color from the color cards available for the selected product

The first way to select the color available to the user, in the tab „**Product**" is to choose by displaying all the colors available for the selected product in the color cards to which the product belongs.

In the tabs, the available shades for each product are assigned, which allows the program to instantly scan the entire manufacturer's offer in search of a material that best meets the criteria, set by the user (Illustration 5).

In this case, the selection is as follows:

- after selecting a product type, the available color cards for the type are displayed at the bottom of the left panel;
- select the appropriate color card from the drop-down list;
- they are displayed in the lower central part of the window with the code under the names of each color card;
- to move through the list, use the slider on the right side of the list;
- the user can save the selected products in the corresponding colors in his/her individual palette, in order to do so, it is necessary to mark the color as a favorite by selecting the star symbol in the upper right corner of the color tile;
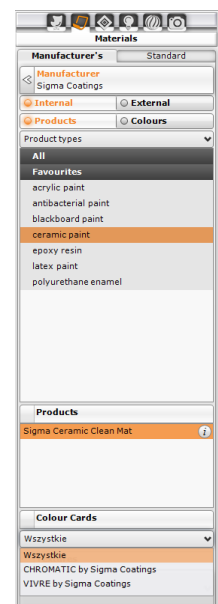

Illustration 5 Color cards

- the colour will be added to the palette and a yellow star symbol will be visible in its upper right-hand corner (Illustration 6);
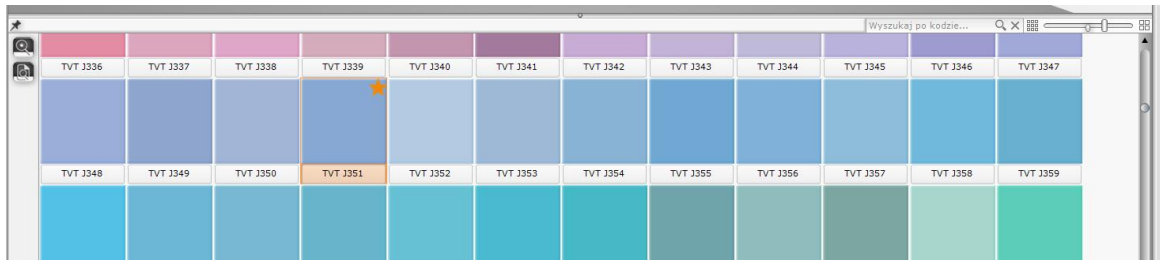

Illustration 6 Color added to favourites

- the selected color can also be applied directly to the design;
- this can be done using ,,drag and drop" method.

3.3. Product search by code from the swatchbook

If the user knows the code name of a particular product he or she is planning to use in the project (e.g., the user previously searched for it in the selected template)), he or she can use the **"Search by code"** option. In this mode, the procedure is as follows:

- the available colors are located at the bottom of the middle part of the module, in the upper bar of this part on the right is a search bar by code(Illustration 7);
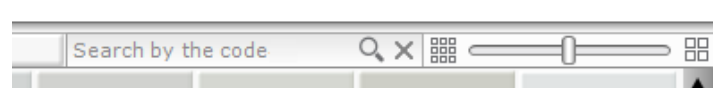

Illustration 7 Search bar

- enter the code for the product you wish to purchase (note: the code is not case sensitive);
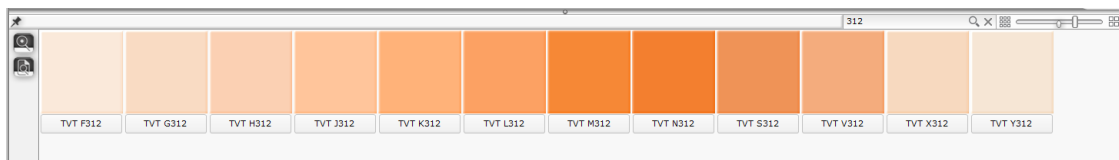- the program will automatically start searching for a product with the given code (Illustration 8);

Illustration 8 Search for color with the phrase ,,312"

- here the user also has access to basic information about the product: by hovering over its icon in the user palette, a label with the following data will appear: the code, the name of the product, the name of the manufacturer to which the product belongs;
- user can save the selected products in the corresponding colors in his individual palette. It should be marked as a favorite by selecting the star symbol in the upper right corner of the color tile;
- it can then be applied to selected surfaces in the project ;
- here you can also go to the **"Product"** panel (by selecting the **"Description product"** button), where a summary description of the product is given;
- from this panel, a detailed technical description is available for download as a PDF file from the manufacturer's website - under the **"Product Card"** button.

3.4. Product search by indicated color

After selecting the icon **"Search by color"**, in the center of the module, a color palette will appear from which the user can select a color of any hue and intensity (Illustration 9).

The procedure for searching by selected color is as follows:

Illustration 9 Color palette

- first, the user should indicate the desired color on the palette;
- to do this, click on the vertical bar of shades to indicate the one to be used in the design (the selection area displays as a small circle);
- then click on the square color palette at such a point, which is assigned the intensity of the shade you are looking for;
- this will display the currently selected hue in the horizontal bar above the palette;
- color can also be selected by moving the slider a panels R,G,B or by entering the color code ;
- the program continuously searches for the color closest to the one selected by the user (Illustration 10);
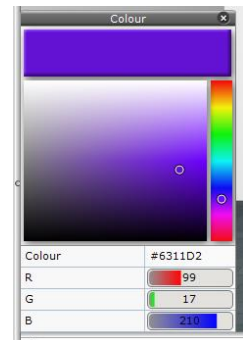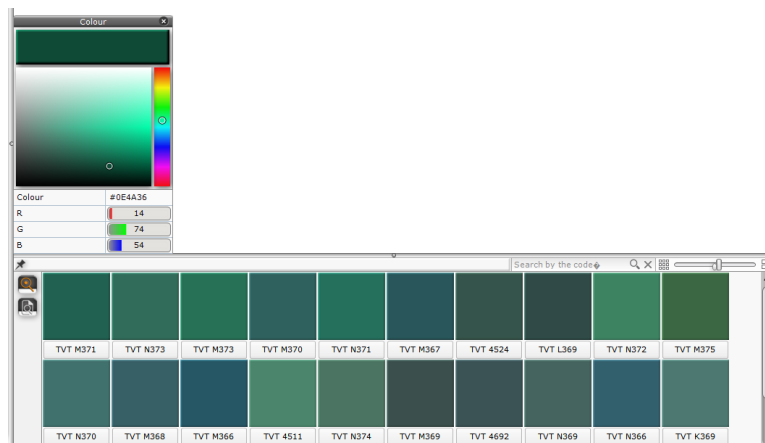

Illustration 10 Searching by color

- colors with properties as close as possible to the shade you are looking for will be displayed as color tiles with the specified product codes;
- a single tab may search for several similar colours to choose from; sample color search results for the indicated products are shown in illustration (Illustration 10). There may be several shades in the card corresponding to the colour you are looking for, all of which will be displayed in the list;
- the described procedure can be repeated any number of times ;
  - after finding the right color, you can save it in the palette , "Favorites" or use it in the project.

Illustration 11 Color code

Using the ,,pipette" tool, you can also extract color from elements that are in the design, such as tiles. The pipette tool is located in the right menu of the visualization (Illustration 11). After selecting it, indicate the element from which the color is to be copied. To read the color code, switch to the panel , "Color". It is located under the preview window (Illustration 12). You can correct it with the brightness level. Once you have a satisfactory tone, copy the code into the Search by Color window of the Paint module. The program will find the color closest to the search in the available color database.
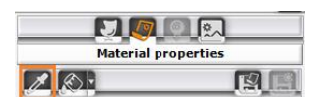

Illustration 12 Pipette tool

4. Information about the product and manufacturer

In the left panel under the materials tab, you can also get information about the manufacturer and sales representatives. Next to the company name on the right side there is an icon $\boxed{i}$, and after clicking on it, a window will open, containing information about the manufacturer (Illustration 13). There you will find the manufacturer's contact information, technical information about the products and points of sale **in Poland**.
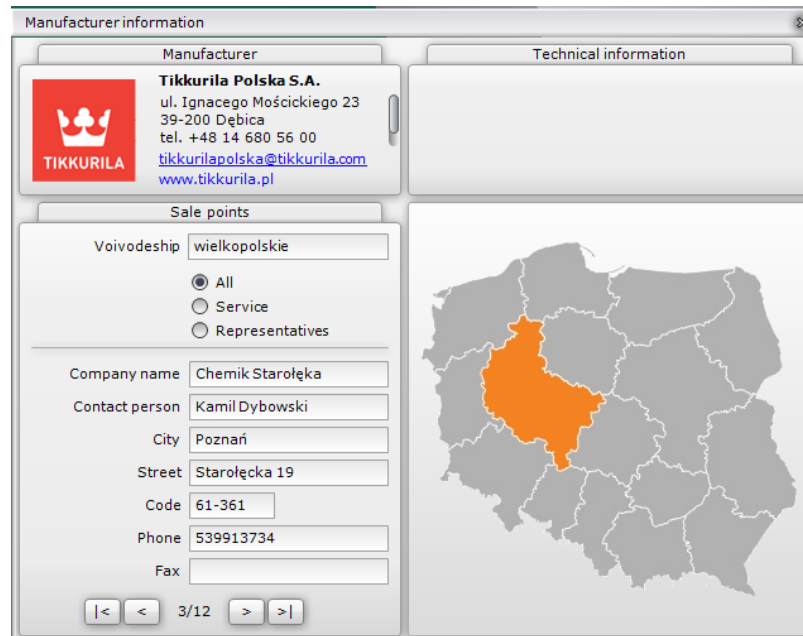

Illustration 13 Manufacturer details

When you select a manufacturer in the product panel, you can get additional information about a particular product series. To the right of the name there is an icon ⓘ, after selecting it a new window will open (Illustration 14). It contains a description of the product in question. In the lower left part of the window there is the option , "Product card". This option requires an Internet connection. It takes the user to the manufacturer's website, where additional information can be found. Among other things, the product card can be saved to disk as a PDF document, printed directly from the site, or shared with other network users.
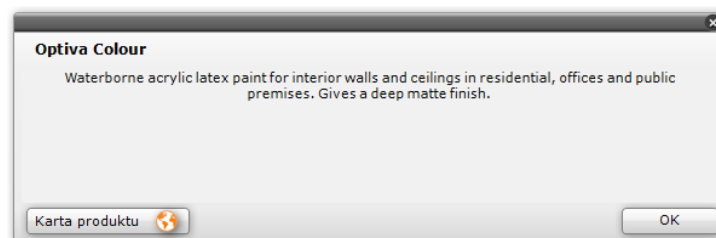

Illustration 14 Product description

5. Applying selected paints to the design

The paint module makes it possible to quickly and uncomplicatedly apply selected opaque substances to any surfaces and objects in the project. It will be up to the user to ensure that the specified coating is correctly selected in terms of the surface to which it is applied and that its color harmonizes with the other elements of the arranged interior. All the necessary information about the products can be obtained using the module itself, especially based on access to information on the manufacturer's website (this function is described <u>in point 4).</u>

Incorporating paint into the design is done in the same way as applying textures (this subject is covered in the 'Visualisation - General' manual) - using the 'drag and drop' method. Once you have found a technically and colour-wise suitable material, left-click on the panel representing it and, while holding down the key, move the cursor so that it points to the corresponding surface in the design. Release the key at this point. The colour will be applied to the indicated area. Paint and other materials can be applied to all objects and surfaces in the project.

As can be seen in the illustration below (Illustration 15), when paint is applied to an area in the design, a sequential number (red number) appears on the area, indicating the next product used. These numbers also appear in the paint summary next to the item designating the product. For example, the paint applied to the wall on the left is labelled by the program with the number **"1"**. The same number appears next to it in the statement, which will be discussed in the next section of this manual. In addition, for products for which a primer is required, the letter **"a"** appears in the statement (e.g. **"2a"**). It denotes the required primer, available from the manufacturer's offer.

Illustration 15 Nanoszenie farb na powierzchnie w projekcie

The program recognizes surfaces by layers. It is possible to apply paint to all walls on one layer at the same time.

If the user wants to transfer paint to all walls in the project that are on the same layer, you should:
- transfer the paint to one of the relevant walls;
- double-click to mark the wall with paint;
- in the right menu, change the bucket to a bucket with a few dots (a tool for applying material to a layer);
- drag it to the remaining walls to be covered with the chosen paint.

Please note that clear varnishes (e.g. floor coatings) cannot be applied to surfaces that have already been coated with a product from the Tikkurila or Sigma Coatings range. They can only be applied to objects that have not yet been painted. At the same time, they require the texture to have been applied to the surface in question beforehand.

6. Generating a paint report

When applying Tikkurila or Sigma Coatings products to objects and surfaces in the program, each newly applied coating is automatically included in the statement. It is available to **CAD Decor** and **CAD Decor PRO** users on the toolbar at the bottom of the screen, in the **"Summary"** tab (Illustration 16). You can access a summary of the tiles used in the project, as well as Sopro grouts and adhesives (see separate dedicated manual for information on designing with tiles and grouts). Switching between tile, paint and grout summaries is possible using the buttons on the left side of the screen **"Tiles"**, **"Paints"** and **"Grouts"**.

Illustration 16 Summary of paints used in the project

In the paint statement, the user receives the following information:

- a sequential number and a sample of the paint color (as already mentioned, the program assigns a new number to each coating applied; if the product in question requires a primer, an item will appear in the inventory marked with the letter **"a"** Illustration 16 above in addition to the number);
- the name of the manufacturer and the name of the colour (usually its code number);
- size of the painted area in square meters;
- the amount of paint required to cover the area (in liters);
- the number of packages and their volume;
- product value (gross);
- the total cost of all products used in the project (gross).

Selecting the icon **"Print Preview"** in the **"Summary"** tab will create a report based on the current statement. After selecting the icon, you should complete the information in the **"Design details"** window (Illustration 17).

Illustration 17 Project data
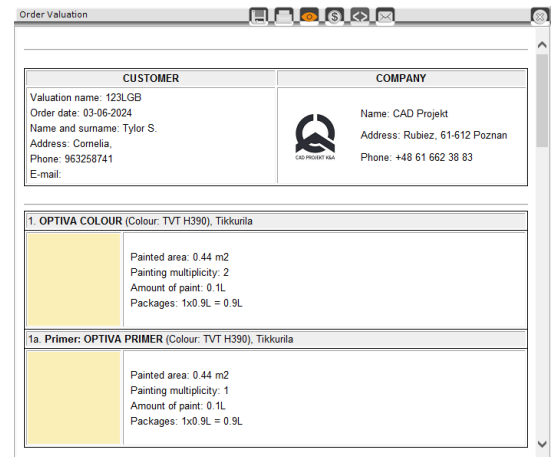
After filling in all the necessary data, select the **"OK"** button. A order valuation will be generated, including information about the paints used during the design (Illustration 18).

The report can be saved to disk (in HTML format), printed and emailed.
These functions are available under the icons:

- „**Save to disk**";

- „**Print**";

- „**Send valuation by email**".

Options to control the visibility of various report elements, available under icons:

- „**Show/hide previews**";

- „**Show/hide prices**";

- „**Show/hide manufacturer's code**".

The paint statement (Illustration 18) contains the following data, necessary to place an order with the manufacturer:

Illustration 18 Summary of paints in the form of a printable report

- sthe name of the valuation (this is the same as the order number);

- order date;

- customer's personal information and address;

- data of the company performing the project (provided earlier in the **"Design details"** window);

- data and previews of individual products (name and code designations);

- painting surface;

- painting multiplicity (the number of layers of paint applied to a given surface, determined by the manufacturer for each product separately);

- the amount of paint necessary at the indicated area and coverage times;

- number of packages needed;

- optional: net and gross prices;

- summary (total area, amount of paint and value of).

As already mentioned, the report can be saved to disk, generate a pdf file(print to pdf), print or send via email.

Additional information

1.   Instructional videos

- Playlist, Visualization | Render"

2.   Shortcuts and commands

The document compares keyboard shortcuts in the .4CAD and visualization environments and lists the most frequently used commands in versions up to 3.Xi/7.X and version 4.X/8.X (both 34 and 64 bit versions of the environment).   Find   the   document   at: https://www.cadprojekt.com.pl/zasoby/pdf/opisy-techniczne/shortcuts-4-0-8-0-eng.pdf

This document provides an overview of keyboard shortcuts and commonly used commands in the .4CAD environment for visualization. The shortcuts and commands can be issued using either the mouse or keyboard. It can be accessed at: https://www.cadprojekt.com.pl/zasoby/pdf/opisy-techniczne/shortcuts-4-0-8-0-64bit-eng.pdf

In the above list, LPM and RMB stand for left and right mouse buttons, respectively. A command notation with a + sign (e.g. [Ctrl] + [Z]) indicates that both keys should be pressed simultaneously, while a notation with a >> symbol (e.g. [E] >> [Enter] or [Space]) means that you should first type E and then press [Enter] or the space bar.

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Contact form

We would like to inform you that we provide training in the use of our programs. For more information, please visit our website: https://www.en.cadprojekt.com.pl/trainings/

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