



User's Guide Chemical Resistance Information

Online chemical check


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■ 1 Introduction

This User Guide provides you with a basic over view of the main functionalities of the Chemical Resistance Tool.

The tool is designed for beginners who are not used to work with such a tool and for experienced users who want to learn quickly what are the new features and differences against the former tool.

At any time, you can click on the info icon  on the web page to get more detailed advice.

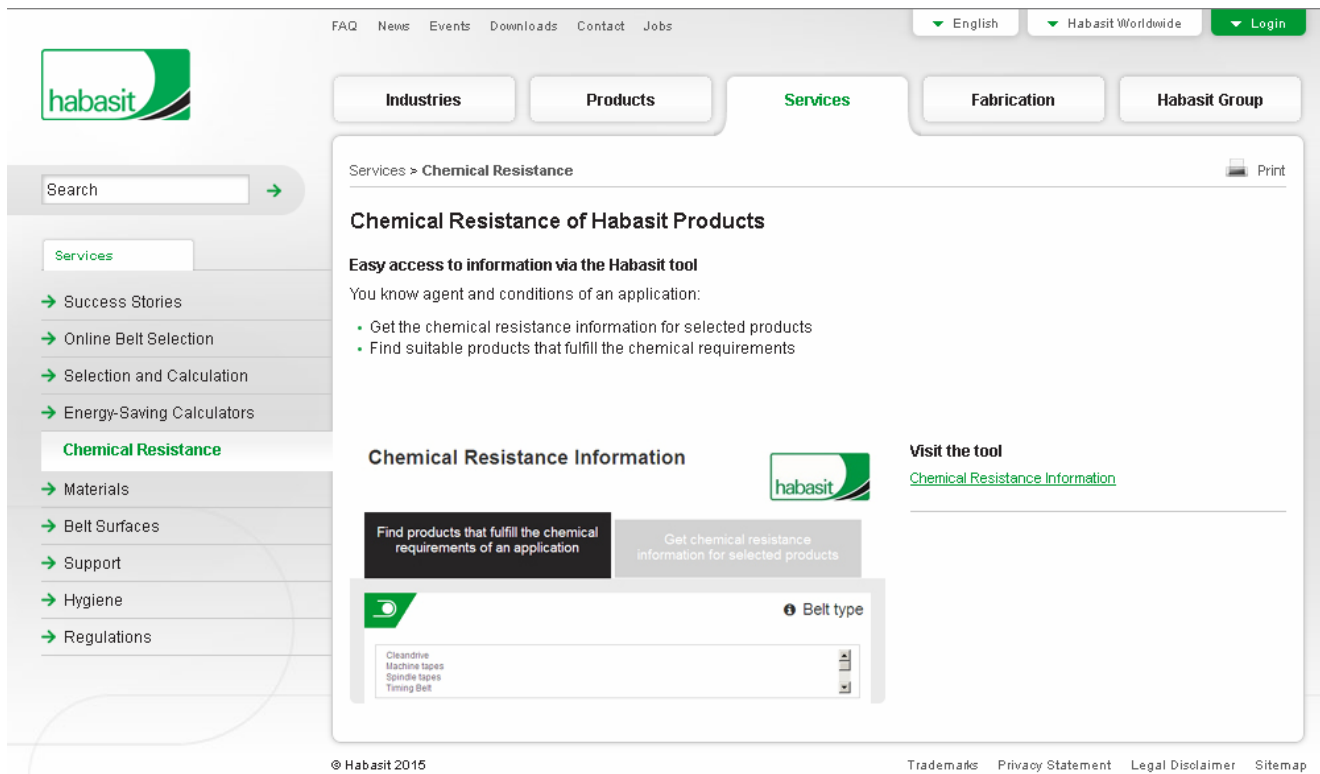
■ 2 Where to find the online tool

The Habasit Chemical Resistance Tool can be found either

→ directly <http://www.habasit.com/en/chemical-resistance.htm> or

→ through the website > **Services** > **Chemical Resistance**

click on the right side on [Chemical Resistance Information](#)




The screenshot displays the Habasit website interface. At the top, there are navigation links for FAQ, News, Events, Downloads, Contact, and Jobs. Language and location selectors for English and Habasit Worldwide are visible, along with a Login button. The main navigation menu includes Industries, Products, Services (highlighted), Fabrication, and Habasit Group. A search bar is located on the left side. Below the search bar, a sidebar menu lists various services, with 'Chemical Resistance' highlighted. The main content area shows the 'Services > Chemical Resistance' page. It features a section titled 'Chemical Resistance of Habasit Products' with the text 'Easy access to information via the Habasit tool' and a list of two bullet points: 'Get the chemical resistance information for selected products' and 'Find suitable products that fulfill the chemical requirements'. Below this, there is a 'Chemical Resistance Information' section with a Habasit logo and two buttons: 'Find products that fulfill the chemical requirements of an application' and 'Get chemical resistance information for selected products'. A 'Belt type' dropdown menu is visible, listing options: Cleandrive, Machine tapes, Spindle tapes, and Timing Belt. A 'Visit the tool' section with a link to 'Chemical Resistance Information' is also present. The footer contains copyright information for Habasit 2015 and links for Trademarks, Privacy Statement, Legal Disclaimer, and Sitemap.

3 Find products that fulfill specific chemical requirements (1/2)

Chemical Resistance Information

Find products that fulfill the chemical requirements of an application

Get chemical resistance information for selected products



1 Select the product ranges

2 Select the chemicals (up to 5)

3 Adjust the ratio

4 Adjust the pH value of the mix

5 Adjust the concentration (dilution)

Belt type

- Cleandrive
- Machine tapes
- Spindle tapes
- Timing Belt
- Folder-gluer belts
- Round Belts
- Power transmission belts
- Conveyor belts
- Seamless belts

Chemicals and conditions

Chemical (CAS-Number): Aceton (67-64-1)

Ratio: 100 %

Concentration in use: 100 %

pH-value: 0 to 14

Weighting criteria

	not important	n/a	important
Visual appearance	[Slider]		
Absorption	[Slider]		
Belt Strength	[Slider]		
Delamination resistance	[Slider]		

Contaminated belt section

full belt | belt surface

Exposure

hours a day: 01:00

days: 1

Temperature

-10°C | 20°C | 50°C | 80°C

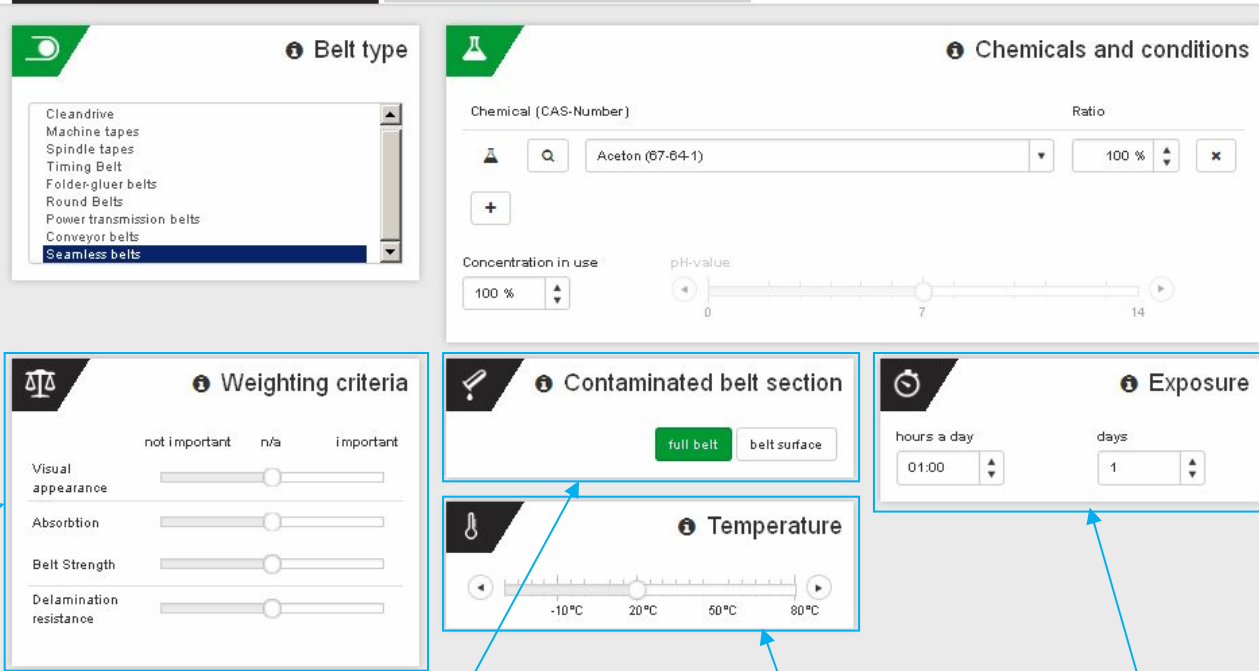
■ 3 Find products that fulfill specific chemical requirements (2/2)

Chemical Resistance Information



Find products that fulfill the chemical requirements of an application

Get chemical resistance information for selected products



The screenshot shows the 'Chemical Resistance Information' tool interface. It features several panels for configuring search criteria:

- Belt type:** A list of belt types including Cleandrive, Machine tapes, Spindle tapes, Timing Belt, Folder-gluer belts, Round Belts, Power transmission belts, Conveyor belts, and Seamless belts.
- Chemicals and conditions:** A section for entering chemical details, including 'Chemical (CAS-Number)' (Aceton (67-64-1)), 'Ratio' (100%), 'Concentration in use' (100%), and a 'pH-value' slider ranging from 0 to 14.
- Weighting criteria:** A section with four sliders to adjust the importance of 'Visual appearance', 'Absorption', 'Belt Strength', and 'Delamination resistance'.
- Contaminated belt section:** A section with two radio buttons to choose between 'full belt' and 'belt surface'.
- Temperature:** A section with a temperature slider ranging from -10°C to 80°C.
- Exposure:** A section with two input fields for 'hours a day' (01:00) and 'days' (1).

Annotations with blue arrows point to specific features:

- Annotation 6 points to the 'Weighting criteria' sliders.
- Annotation 7 points to the 'Contaminated belt section' radio buttons.
- Annotation 8 points to the 'Temperature' slider.
- Annotation 9 points to the 'Exposure' input fields.

6 Change importance of each criteria acc. to the application

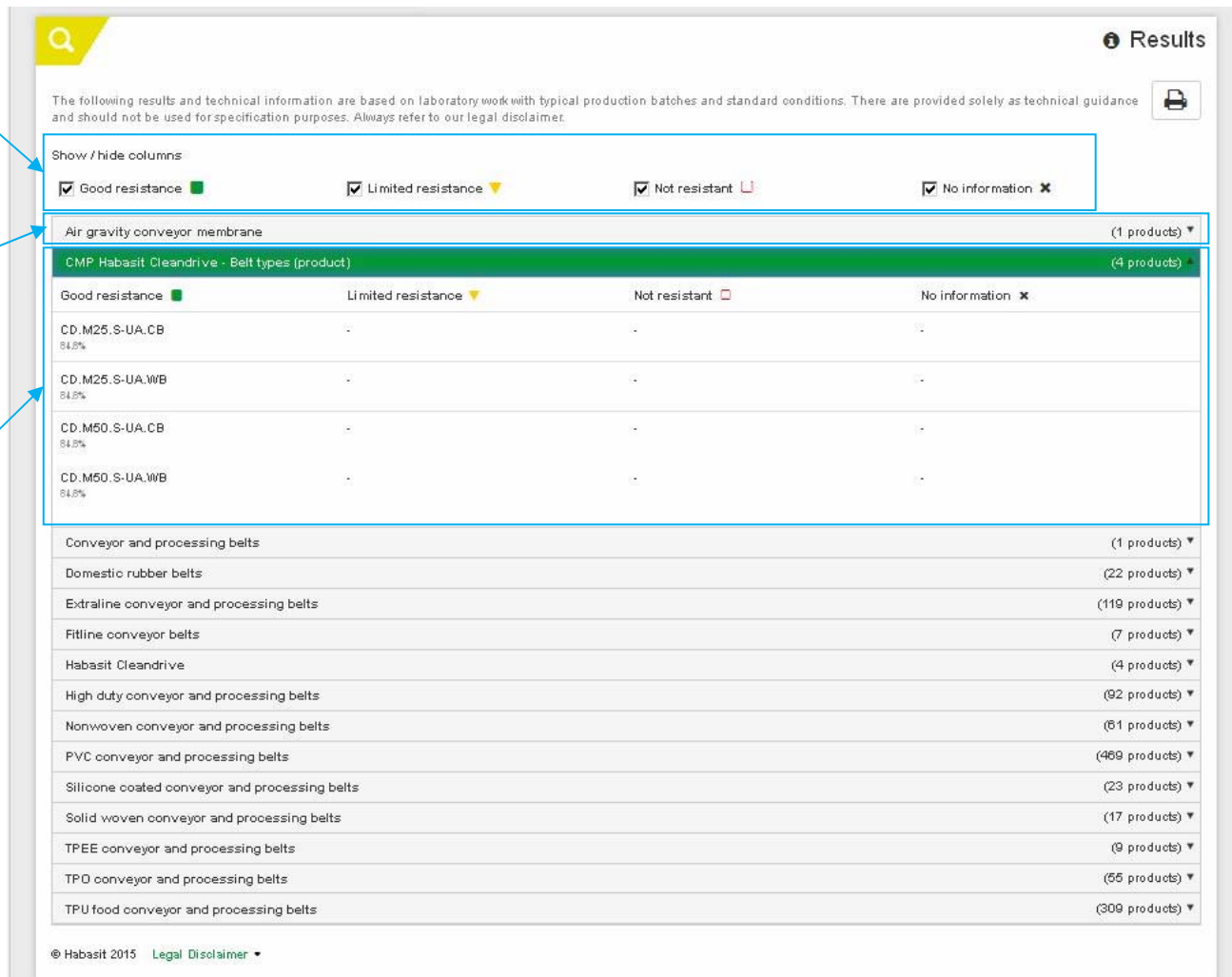
7 Chose between a full contamination or surface spillage

8 Adjust application service temperature

9 Adjust exposure time

4 Display of results

- 1 Show or hide columns
- 2 Results sorted by category and with indication of number of belts
- 3 Belts sorted in columns according to their resistance



The following results and technical information are based on laboratory work with typical production batches and standard conditions. There are provided solely as technical guidance and should not be used for specification purposes. Always refer to our legal disclaimer.

Show / hide columns

Good resistance Limited resistance Not resistant No information

Air gravity conveyor membrane (1 products)

CMP Habasit Cleandrive - Belt types (product) (4 products)

Good resistance	Limited resistance	Not resistant	No information
CD.M25.S-UA.CB 84.8%	-	-	-
CD.M25.S-UA.WB 84.8%	-	-	-
CD.M50.S-UA.CB 84.8%	-	-	-
CD.M50.S-UA.WB 84.8%	-	-	-

Conveyor and processing belts (1 products)

Domestic rubber belts (22 products)

Extraline conveyor and processing belts (119 products)

Fitline conveyor belts (7 products)

Habasit Cleandrive (4 products)

High duty conveyor and processing belts (92 products)

Nonwoven conveyor and processing belts (61 products)

PVC conveyor and processing belts (469 products)

Silicone coated conveyor and processing belts (23 products)

Solid woven conveyor and processing belts (17 products)

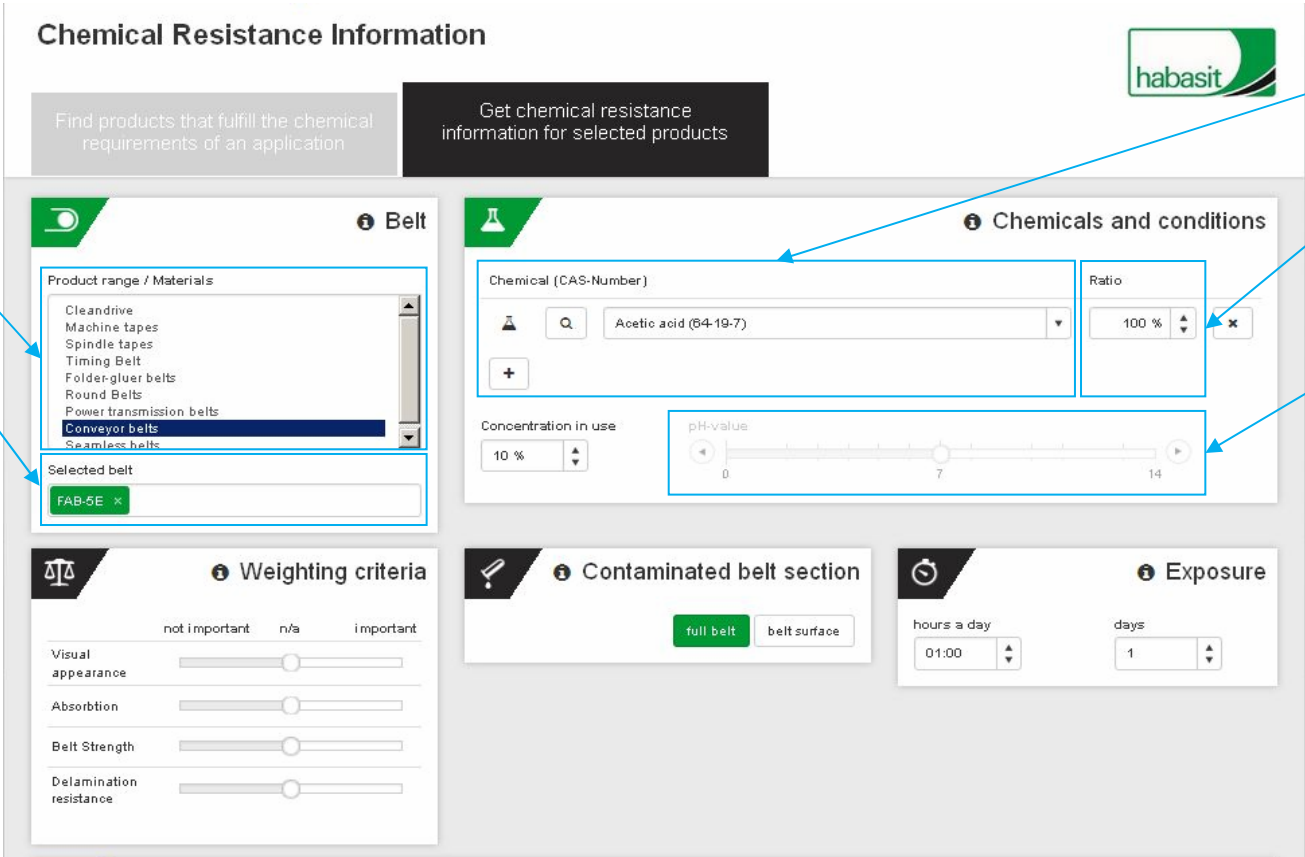
TPEE conveyor and processing belts (9 products)

TPO conveyor and processing belts (55 products)

TPU food conveyor and processing belts (309 products)

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■ 5 Get chemical resistance for selected products (1/2)



Chemical Resistance Information

Find products that fulfill the chemical requirements of an application

Get chemical resistance information for selected products

1 Select the product ranges

2 Select the belt types

3 Select the chemicals (up to 5)

4 Adjust the ratio

5 Adjust the pH value of the mix

Belt

Product range / Materials

- Cleandrive
- Machine tapes
- Spindle tapes
- Timing Belt
- Folder-gluer belts
- Round Belts
- Power transmission belts
- Conveyor belts
- Seamless belts

Selected belt

FAB-5E

Chemicals and conditions

Chemical (CAS-Number)

Acetic acid (64-19-7)

Ratio

100 %

Concentration in use

10 %

pH-value

0 7 14

Weighting criteria

	not important	n/a	important
Visual appearance	<input type="range"/>		
Absorbition	<input type="range"/>		
Belt Strength	<input type="range"/>		
Delamination resistance	<input type="range"/>		

Contaminated belt section

full belt belt surface

Exposure

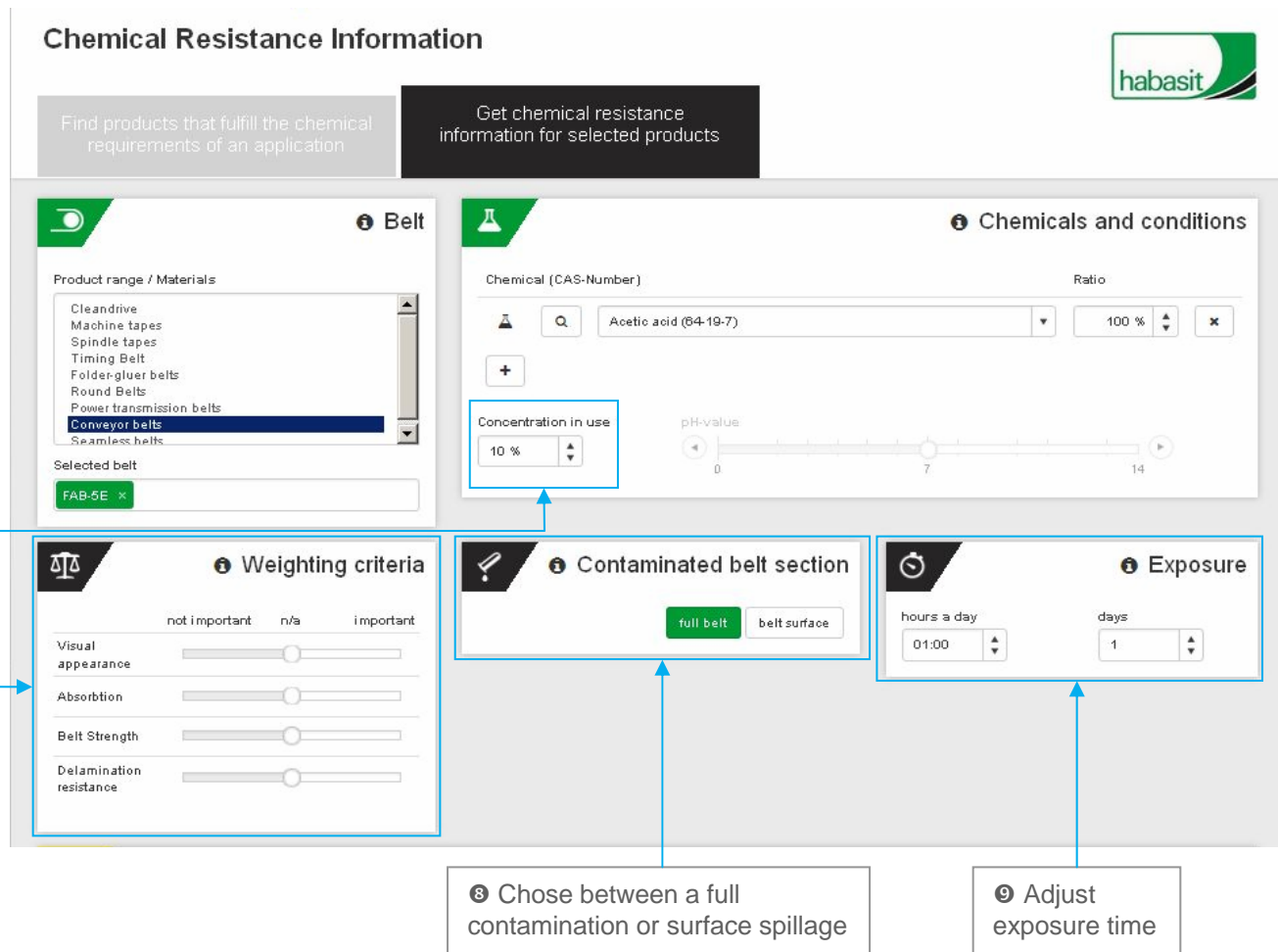
hours a day

01:00

days

1

■ 5 Get chemical resistance for selected products (2/2)



The screenshot displays the 'Chemical Resistance Information' tool interface. It features a top navigation bar with two buttons: 'Find products that fulfill the chemical requirements of an application' and 'Get chemical resistance information for selected products'. The main interface is divided into several sections:

- Belt:** A list of product ranges including Cleandrive, Machine tapes, Spindle tapes, Timing Belt, Folder-gluer belts, Round Belts, Power transmission belts, Conveyor belts (highlighted), and Seamless belts. A 'Selected belt' field shows 'FAB-5E'.
- Chemicals and conditions:** A search field for 'Chemical (CAS-Number)' containing 'Acetic acid (64-19-7)' and a 'Ratio' field set to '100 %'. A 'Concentration in use' field is set to '10 %'. A 'pH-value' slider ranges from 0 to 14.
- Weighting criteria:** A section with four sliders for 'Visual appearance', 'Absorption', 'Belt Strength', and 'Delamination resistance', each with 'not important', 'n/a', and 'important' markers.
- Contaminated belt section:** Two radio buttons for 'full belt' (selected) and 'belt surface'.
- Exposure:** Two input fields for 'hours a day' (set to 01:00) and 'days' (set to 1).

Numbered callouts point to specific features:

- 6** Adjust the concentration (dilution) - points to the 'Concentration in use' field.
- 7** Change importance of each criteria acc. to the application - points to the 'Weighting criteria' sliders.
- 8** Chose between a full contamination or surface spillage - points to the 'Contaminated belt section' radio buttons.
- 9** Adjust exposure time - points to the 'Exposure' input fields.

6 Results for selected products

Belt

Product range / Materials

- Cleandrive
- Machine tapes
- Spindle tapes
- Timing Belt
- Folder-gluer belts
- Round Belts
- Power transmission belts
- Conveyor belts**
- Seamless belts

Selected belt

FAB-5E x CNB-5E x

Chemicals and conditions

Chemical (CAS-Number)

Acetic acid (64-19-7) Ratio: 50 %

Calcium oxide (1305-78-8) Ratio: 50 %

Concentration in use: 10 %

pH-value: 0 to 7

Weighting criteria

not important | n/a | important

Visual appearance: [slider]

Absorbtion: [slider]

Belt Strength: [slider]

Delamination resistance: [slider]

Contaminated belt section

full belt | belt surface

Exposure

hours a day: 01:00

days: 1

Results

The following results and technical information are based on laboratory work with typical production batches and standard conditions. There are provided solely as technical guidance and should not be used for specification purposes. Always refer to our legal disclaimer.

	20°C	50°C	Mainly influenced by
CNB-5E	98.3%	100.0%	Acetic acid (64-19-7)
FAB-5E	98.6%	94.5%	Calcium oxide (1305-78-8)

■ Resistant
■ Limited resistant
■ Not resistant
■ No information

1 Results sorted by belt type, with results at 20 and 50 °C

2 Information about chemicals mainly influencing the results

■ 7 Limitations and additional information

The results and technical information are based on laboratory work with typical production batches and under standard conditions. They are provided solely as technical guidance and should not be used for specification purposes. Always refer to our legal disclaimer.

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