



## YO-\*\*M977/--NTR or /--SBN

### RENNERPLAST 2-K Spray CONVERTERS

Thixo converters for waterbased pigmented topcoats by spray  
for u-PVC window frames

Renner Italia Spa - Via Ronchi Inferiore, 34 - 40061 MINERBIO (BO)

#### Main characteristics:

• Both by manual and automatic spray application (conventional air gun, airless, airmix); both vertical and horizontal application.
• 2-K watery base product by single coat, to be catalyzed with YC M403 at 10%. Pot life: 2 h
• Wide range of pigmented topcoats production: RAL, NCS, Color System, metallized or customized colors
• Can be pigmented with anti-heat pastes, to reduce the temperature increase caused by the exposure to sunlight of the window frames
• Can be pigmented with aluminum pastes outdoor resistant.
• Excellent adhesion on u-PVC frames
• Excellent hardness
• Good chemical resistance

#### Versions available:

RENNERPLAST 2-K tintometric system is composed by converters able to reproduce any gloss level and color.

Each converter is available in two different versions:

- **NTR or neutral:** suitable for dark colors
- **SBN or white :** suitable for light colors

Smooth	YO-05M977/--NTR	Neutral base	05 gloss
	YO-05M977/--SBN	White base	05 gloss
	YO-20M977/--NTR	Neutral base	20 gloss
	YO-20M977/--SBN	White base	20 gloss
	YO-40M977/--NTR	Neutral base	40 gloss
	YO-40M977/--SBN	White base	40 gloss

#### Color preparation:

• Dark colors: 90 parts by weight of <b>NTR</b> converter and 10 parts by weight of pigmented pastes.
• Light colors: 100 parts by weight of <b>SBN</b> converter and from 0,5 to 4 parts by weight of pigmented pastes.
• Color formulation requires 18 pastes composed by pigments with excellent sunlight and bad weather resistance properties.



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- RENNERPLAST pigmented pastes range includes 3 pastes with anti-IR pigments: black **EY---M377/--E01**, deep black **EY---M377/--C55** and dark brown **EY---M377/--E74**. Both the pastes are able to reflect the infrared fraction of the sun radiation and, for this reason, they sensibly reduce the temperature of the coated surface once it is exposed outdoor (temperature reduction usually of 15°C). By acting in this way, the life of the PVC frame is consistently prolonged.
- For metallized colors, use **NTR** converter base and add paste **EY---M377/--\*38** at 3-10% ratio, depending on the result needed.
- Aluminum pastes **EY---M377/--\*38**, available in 3 different grains, , are suitable for outdoor exposure thanks to their protective film against weather.
- Once the pastes are added, mix very well with a stirrer or with a gyroscopic mixer
- With the exception of the metallized pastes **EY---M377/--\*38**, all pastes can be used with the Renner Italia Color System.

### RENNERPLAST range of pastes

Pigmented pastes for exterior		
1	White	<b>EY---M690/--C02</b>
2	Orange	<b>EY---M690/--C08</b>
3	Amaranth	<b>EY---M690/--C54</b>
4	Red purple	<b>EY---M690/--C52</b>
5	Oxide red	<b>EY---M690/--C70</b>
6	Oxide yellow	<b>EY---M690/--C77</b>
7	Lemon yellow	<b>EY---M690/--C60</b>
8	Red	<b>EY---M690/--C03</b>
9	Violet	<b>EY---M690/--C31</b>
10	Green	<b>EY---M690/--C09</b>
11	Blue	<b>EY---M690/--C04</b>
12	Ocean blue	<b>EY---M690/--C62</b>
Anti- IR or anti-heat pastes		
13	Black Anti-IR	<b>EY---M377/--E01</b>
14	Deep Black Anti-IR	<b>EY---M377/--C55</b>
15	Grown Anti-IR	<b>EY---M377/--E74</b>
Aluminum paste for exterior		
16	Alluminum fine	<b>EY---M377/--F38</b>
17	Alluminum medium coarse	<b>EY---M377/--A38</b>
18	Alluminum coarse	<b>EY---M377/--C38</b>



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### Chemical physical characteristics at 23°C:

solid content (%)	SBN	40 ± 2
	NTR	29 ± 2
Specific weight (g/cm <sup>3</sup> )	SBN	1,15 ± 0,02
	NTR	1,05 ± 0,02

		Summer	Winter
Viscosità DIN 8 (s)	20, 40 gloss	NTR: 60 ± 5" SBN: 60 ± 5"	NTR: 55 ± 5" SBN: 55 ± 3"
	5 gloss	NTR: 40 ± 3" SBN: 35 ± 3"	NTR: 30 ± 5" SBN: 25 ± 3"

As far as it concerns application methods and drying of colors (RAL, NCS, Color System and customized colors) made with RENNERPLAST converters **YO-\*\*M977/--NTR** or **YO-\*\*M977/--SBN** please refers to the following Renner Italia technical documents:

- Technical data sheet of **YO-\*\*C977/\*\*\*\*\***

### General remarks

- If properly stored at temperatures between 15 and 35° C, the shelf life is 18 months.
- The product is frost sensitive.
- Mix very well before use.
- Application tools must be cleaned with water after use. When dry films must be removed, **AY---M460**, special detergent should be used, letting it work overnight and then cleansing with water