

Colour card

MACal® 8300 PRO

permanent monomeric vinyl



1 2 3 4 5
Durability

mactac 

Durability 1 2 3 4 5

MACal® 8300 PRO



8309-12 ± RAL 1016
Lemon Yellow



8359-33
Dark Red



8339-04
Sky Blue



8329-17
Beige



8309-30 ± RAL 1021
Light Yellow



8359-12 ± RAL 3004
Burgundy



8339-35
Powder Blue



8383-13 ± RAL 8011
Chocolate Brown



8305-24
Medium Yellow



8359-04 ± RAL 4010
Cyclamen



8339-07
Turquoise



8389-00 ± RAL 9005
Black



8303-23 ± RAL 1028
Sunflower Yellow



8359-15 ± RAL 4008
Raspberry



8339-36
Nautical Blue



8389-18 ± RAL 7012
Dark Grey



8309-31
Apricot



8339-14
Electric Blue



8349-30 ± RAL 6005
Dark Green



8389-04 ± RAL 7000
Mouse Grey



8301-22 ± RAL 2008
Orange



8339-13 ± RAL 5002
Royal Blue



8349-05 ± RAL 6029
Bottle Green



8389-19
State Grey



8359-35 ± RAL 2002
Flame Red



8339-33 ± RAL 5013
Navy



8349-34 ± RAL 6024
Medium Green



8389-20
Frosty Grey



8359-39 ± RAL 3020
Blood Red



8339-02
Highway Blue



8349-31 ± RAL 6018
Spring Green



8329-00 ± RAL 9003
White



8359-40
Passion Red



8339-00
Medium Blue



8349-35 ± RAL 6018
Apple Green



8359-36 ± RAL 2002
Medium Red



8339-06 ± RAL 5015
Ocean Blue



8349-17
Vibrant Green

* Colours shown are for illustrative purposes only. The final product's colour may be different from the colour shown on each device.

Official Distributor:

QQS
wawasan

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8308-12 ± RAL 1016
Lemon Yellow



8358-36 ± RAL 3002
Currant Red



8348-14
Mint



8338-17 ± RAL 5011
Cobalt Blue



8308-25 ± RAL 1018
Light Yellow



8358-33 ± RAL 3001
Medium Red



8338-16
Light Blue



8388-00 ± RAL 9005
Black



8308-27 ± RAL 1021
Yellow



8358-38 ± RAL 3002
Carmine Red



8338-04
Sky Blue



8388-16 ± RAL 7012
Graphite



8308-26
Buttercup



8358-04 ± RAL 4010
Cyclamen



8338-00 ± RAL 5015
Medium Blue



8388-15 ± RAL 7004
Medium Grey



8304-23
Sunflower Yellow



8348-10
Lime



8338-01 ± RAL 5017
Intense Blue



8388-11 ± RAL 7040
Concrete Grey



8308-28 ± RAL 1028
Light Orange



8348-11
Kiwi



8338-18
Cosmic Blue



8388-17 ± RAL 7035
Pearl Grey



8302-22 ± RAL 2008
Orange



8348-29
Green



8338-14
Electric Blue



8328-00 ± RAL 9003
White



8308-29 ± RAL 2009
Dark Orange



8348-33 ± RAL 6016
Spinach Green



8338-19
Violet



8328-17
Beige



8358-35 ± RAL 2002
Flame Red



8348-30
Dark Green



8338-13 ± RAL 5002
Royal Blue



8382-11 ± RAL 8011
Chocolate Brown



8358-37
Red



8338-07 ± RAL 5018
Turquoise Blue



8338-20
Methylene Blue



8358-34 ± RAL 3020
Blood Red



8348-13 ± RAL 5018
Turquoise Green



8338-02
Highway Blue

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Description

MACal 8300 Pro is a calendered soft vinyl film coated with a permanent acrylic adhesive. MACal 8300 Pro have been specially developed for trouble-free computer cutting and fast weeding, even for small letters and fine lines.

Adhesive

High quality solvent based permanent acrylic adhesive.

Liner

Highly stable 135 gsm white kraft paper with orange backprinting.
For white vinyls the liner is coated with a blue silicone coating to improve the contrast with the film colour.

Typical uses

MACal 8300 Pro is a medium term marking film designed for outdoor applications (vehicle marking, window graphics, signs...) and for indoor applications (exhibition stands).

Technical data (*)	Average values
Thickness (film only)	70 microns
Durability (vertical weathering in central European climate)	5 years : black and white 4 years : all colours
Adhesion (FTM 1)	
20 min. on stainless steel	14 N/25mm
1 week on stainless steel	19 N/25mm
Dimensional stability (FTM 14)	
48 H at 70 °C on aluminium	< 0.3 %
Minimum application temperature	+10 °C
Service temperature	From -40 °C to +70 °C
Tensile strength (DIN 53455-5)	> 23 N/15mm
Elongation at break (DIN 53455-5)	> 150 %
Shelf life	
(20 °C - 50% relative humidity)	2 years
Resistance to solvents and chemicals	
(applied on stainless steel 72 hours before immersion)	Water, water and detergent, alcohol : unaffected Oil, gasoline : affected (lifting around edges).
Flammability (ISO 3795)	Self-extinguishing, applied on aluminium

Important remarks

All surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination. Some adverse reactions can occur when applying MACal 8300 Pro to certain substrates, for example: acrylics, polycarbonate, polystyrene, plasticized PVC, certain paints and lacquers. These reactions could take the form of cracks, swelling, ghosting, variance in adhesion performance.

Therefore, as with any critical application, it is recommended to carry out suitability tests.

(*) Published information concerning MACTac products are based upon research which the Company believes to be reliable but such information does not constitute a warranty.

Because of the variety of possible uses for MACTac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use.

Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications subject to change without prior notice.



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