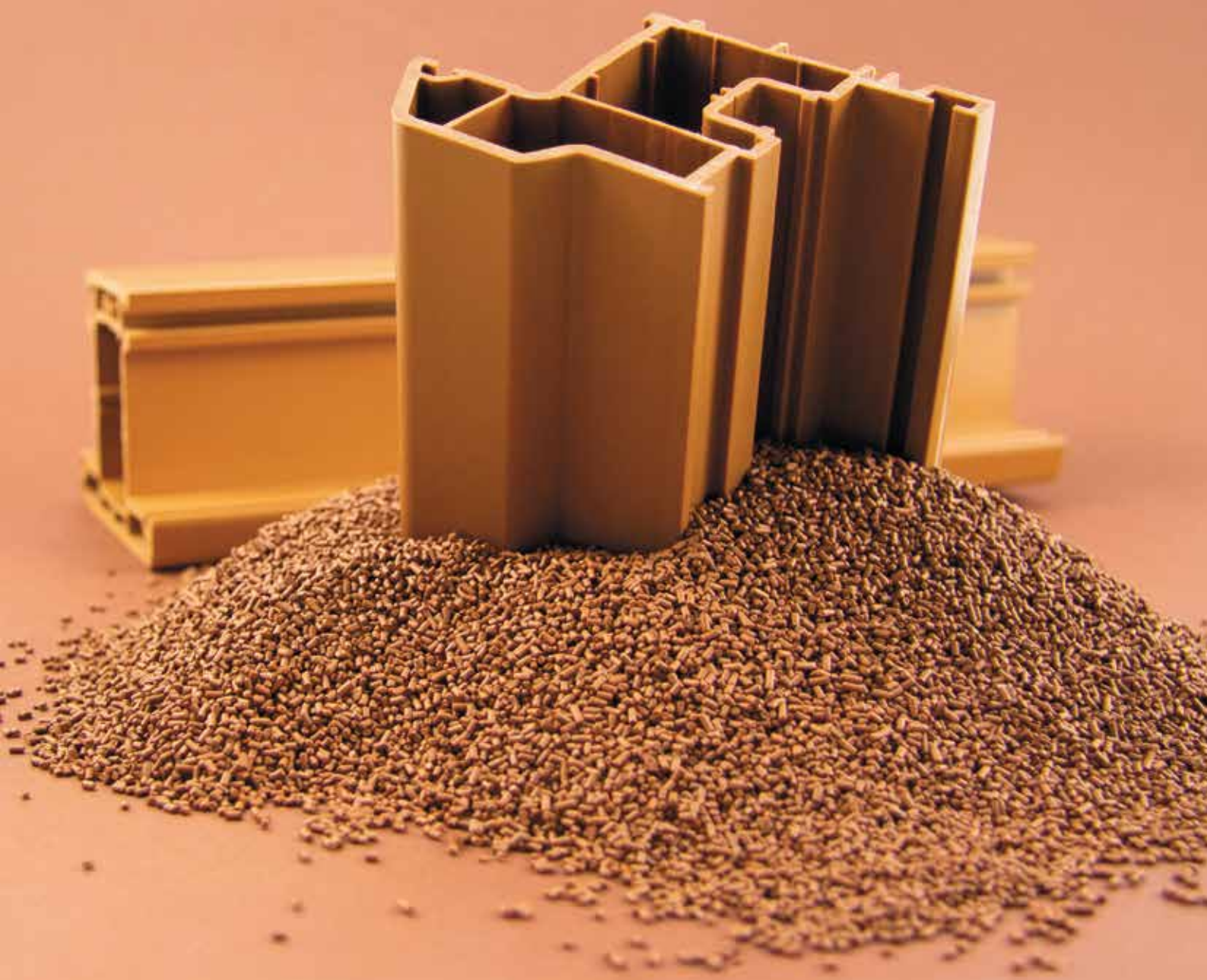


COLOUR MASTERBATCH FOR **WINDOW PROFILES**



Properties

Products specially developed for the colouration of PVC, providing a very fast dilution, colour homogeneity and a clean solution.



Excellent dilution
due to the special
formulation



**Exceptional colour
regularity** within the
same batch and between
different batches



Clean solution
Cleaner process
compared to pure
powder pigments



**Outstanding pigment
dispersion**, avoiding
agglomerates



Shorter cleaning times

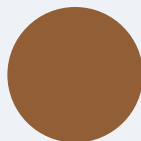


Low dosing levels

Most requested colours



Chocolate
brown



Caramel
brown



Cream



Anthracite



Grey



Light grey



Solutions

Delta Tecnic develops concentrated pigment solutions that improve processing and colour results within the Window Profile Industry.

Using a broad range of high quality pigments and additives, Delta Tecnic formulates tailor-made solutions, according to the compound, parameters and shade of colour.



Rheology parameters can be taken into consideration in order to achieve the best production efficiency.



Little or no impact on the mechanical properties, such as VICAT.



Solutions for improving the recyclability of internal production scrap and recovered external material.



Carefully selected pigments and additives for weather resistance according to industry standards.

Suntest on caramel colour formulations

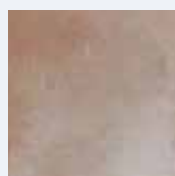
PVC, when exposed to sunlight, will gradually degrade to a yellowish or even brownish quality. The degree of degradation depends on the stabilization of the compound.

The resistivity to weather conditions and sunlight therefore depends on the combination of the compound and the masterbatch. Delta Tecnic carefully studies each case and offers the best pigment selection in order to achieve optimum results.

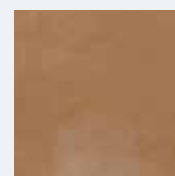
Results after 500h Suntest



Before suntest



Poorly balanced formulation



Well-balanced masterbatch formulation by Delta Tecnic



Products

Deltavinil SMP

Small Micropellet

Masterbatch based on PVC specifically designed for the all kinds of applications in the window profile industry where faster dilution and good homogeneity is required.

Thanks to the small pellet size and its specific formulation, the masterbatch dissolves rapidly and facilitates extraordinary colour regularity even at high speed processing. Using our Small Micropellet ensures perfect colour regularity.

- Final colour accuracy
- Colour regularity
- Perfect colour homogeneity due to fast and easy dilution
- No dust contamination

Particle size

Diameter ~1.0 mm

Length ~1.5 mm



SMP



MP



Deltaplast S

Powder

Mixed pigments, mainly dispersed in PVC or CaCO₃, in powder form.

Developed for all kinds of applications in the Window Profile Industry.



Delivery in pre-weighed bags

Particle size

<1000 µm





Deltavinil SP

Standard Pellet

Masterbatch based on PVC

Developed for or all kinds of applications in the Window Profile Industry.

- Final colour accuracy
- Colour regularity
- Easy dosage
- No dust contamination

Particle size

Diameter ~3.0 mm

Length ~3.5 mm

Deltavinil MP

Micropellet

Masterbatch based on PVC

Developed for all kinds of applications in the Window Profile Industry with fast dilution requirements.

- Final colour accuracy
- Colour regularity
- Easy dosage
- No dust contamination
- Improved dilution

Particle size

Diameter ~1.0 mm

Length ~2.5 mm



Sustainability made easy

PVC is 100% recyclable and also very versatile as it allows for mixing with different fibres. It therefore offers interesting possibilities for the window profile industry when improving the overall sustainability impact.

The share of recycled material has increased strongly in recent years and today even solutions produced out of 100% recycled materials can be found in the market.

But recycled internal production waste or external shredded old window frames, present a non-homogeneous flow of materials, varying especially in shades of colour. The visual colour difference leads to doubts about quality in the viewer's eye.

Delta Tecnic develops solutions for this industry and application



Tailor-made TONER BATCHES allow to adjust L, a and b values, leading to a more uniform visual appearance.



High final colour accuracy of pure or mixed recycled materials or when introducing renewable fibres.



Delta Tecnic is committed to sustainability and open to taking on new challenges and projects for a greener planet.

*** PVC windows are 100% recyclable**, and can be recycled up to **seven times** without loss of quality. Compared to profiles with 100% virgin PVC, windows with up to 70% recycled content can achieve savings of up to 50% in energy and over 60% in air and water emissions.

Around 350,000 tonnes of PVC window frames were recycled in 2020.

Since 2000, **more than 2.3 million tonnes have been recycled**.





bringing colour to life

PRESENT IN OVER 60 COUNTRIES

Delta Tecnic is a worldwide specialist in formulation, production and commercialization of colour and additive masterbatches, facilitating injection and extrusion processes for the cable and PVC industries.

Delta Tecnic is focused on becoming a technological partner in production for our customers. Since 1982, we have formulated solutions at the highest service quality, with the goal of optimizing our customers' processes, and providing in-depth knowledge on market and innovation.





DELTATECNIC

bringing colour to life

Pol. Ind. Molí de les Planes
Carrer Rec Molí de les Planes, s/n
08470 Sant Celoni
Barcelona SPAIN

+34 938 674 284
deltatec@deltatecnic.com

deltatecnic.com

The data and other information contained in this "Technical Information" brochure represents the present state of our knowledge and experience. They are intended solely as information for our customers and do not exonerate potential users from their obligation to test any products described regarding their suitability for the intended application. We reserve the right to alter any denominations as a result of technical progress or further developments in the manufacturing process. Our "Technical Service" is available on request for further advice and for assistance in solving any problems which may arise during manufacture and application. This does not release the user from the responsibility of evaluating our data and suggestions in respect to their suitability for the intended use. We cannot assume any liability for the correctness or completeness of the data, nor for the technical advice given in this "Technical Information" brochure.