

**SELAC A10
POST - SALES ADDITIVES**

**GENERAL
INFORMATIONS**

arsonsisi s.p.a. offers to its customers the series Selac **A10**
This range of products is based on several additives which must be added to standard powders in variable ratios , and that after careful mixing allow to

- _ obtain modified surface finishes starting from stock products without the obligation to order big amounts
- _ to minimize and often to solve simple problems related to supports or items particularly hard to paint , or to very particular application conditions .

PRODUCT RANGE

At the emission date of this document the following products are available on demand :

A100PAC	Matting agent
A10YPAC	Matting agent for polyesters
A100BUC	Orange Peel Texture agent
A100RAG	Fine Texture agent
A100DEG	Degassing agent
A100DGX	Degassing agent extra
A100FLU	Fluidizing agent
A100HPN	High penetration fluidizing agent

**INFORMATIONS ABOUT
SAFETY ,
HANDLING
AND STORAGE**

Upon our best current knowledge , if handled with good technical practice these products do not show any danger for human beings and for the environment .
Standard procedures for working hygiene must be adopted and any wastes are not to be disposed of in the environment .
These products are stable for at least 24 months if stored in a dry place , in their original packagings at temperatures not exceeding 30°C .

**INSTRUCTIONS
FOR THE USE**

A homogeneous dispersion is indispensable to obtain the best performances of each additive .
To make dispersion easier it is always preferable to predisperse the necessary amount in a small amount before to incorporate it in the whole quantity .
On lines equipped with fluidizing bed , add directly in it the necessary amount and let fluidizing air homogeneize the mixture for approximately 5 minutes before starting to paint .
If line does not have fluidizing bed , manually add the quantity in the powder box , taking care to disgregate any agglomerates .

**RECOMMENDATIONS
AND RESTRICTIONS**

It must be remarked that use of these products - especially if used as correcting agents - has always to be carefully considered , because they could not ensure to reach every time the best result in absolute .
arsonsisi s.p.a. is available in order to evaluate with the user the suitability of these products in accordance with the expected final results .
These products may allow a great operative flexibility in the case of small productions but they are not suggested neither for the production of big lots , nor in any case in which is necessary to grant strict matching of articles coated in different moments .
Always adopt the logic of the " closed batch " .

Suggested dosage and operating ways must be strictly respected , because this practice is fundamental to get the best results with the minimum of contraindications and drawbacks .

Results may slightly vary also in accordance with the spraying devices used for the application .

TECHNICAL FEATURES

A100PAC MATTING AGENT

A100PAC must be added on finished powder at 10% w/w
It allows to obtain a semimatt finish (approximately 45 gloss) starting from products having starting brilliance in the range of 80 gloss .
It can be used with indoor and outdoor powder coatings and does not have negative effects on mechanical properties and on durability of the coating .
In order to avoid a lowering of surface finish and smoothness it is not suggested to override the recommended dosage .
Compatibility with other systems is not compete , therefore the application must be done avoiding to recuperate and to recycle the overspray .

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TECHNICAL FEATURES

A10YPAC MATTING AGENT FOR POLYESTERS

A10YPAC has been especially developed to be used in combination with products belonging to Y51 and Y51C series , thanks to its improved compatibility .
Added at 10% w/w on the finished powder , A10YPAC allows to reach a semiglossy finish (**approximately 70 gloss**) starting from products in the range of 80 gloss .
If added at 20% w/w the expected brilliance shifts towards a lower level (**approximately 60 gloss**)

Not to exceed 20% in order to avoid hiding power reduction .
In light colours some light yellowing may occur .

TECHNICAL FEATURES

A100BUC O.P. TEXTURE AGENT

This additive is especially designed to get orange peel finish starting from smooth products having any chemical nature .
Suggested dosage is 1,5% w/w on starting powder coating .
aronsisi s.p.a. suggests not to exceed this dosage , even if the determination of optimal percentage must be defined according with desired effect , under complete responsibility of the user .

After the use of products containing A100BUC it is mandatory to proceed with complete and accurate cleaning of the spraying line .
To minimize the contamination effect towards products applied later on we suggest to apply without any recycle and - if possible - to have dedicated guns and pipelines .
Do not use on lines equipped with cartridge absolute filters .

TECHNICAL FEATURES

A100RAG FINE TEXTURE AGENT

This additive is especially designed to get fine texture finish starting from smooth products having any chemical nature .
Suggested dosage is between 15 and 25% w/w on starting product , according with desired effect .

Not to exceed 20% in order to avoid hiding power reduction .
In light colours some light yellowing may occur .

TECHNICAL FEATURES

A100DEG DEGASSING AGENT

A100DEG is especially designed to reduce degassing phenomena related to support porosity , especially on allow casts and hot-dipping zinc plated supports .
Usually an addition of 1,0 - 1,5% w/w on finished powder is enough to substantially reduce the degassing .

Over this dosage levels is possible to have some gloss reduction and some surface greasiness .

TECHNICAL FEATURES

A100DGX EXTRA DEGASSING AGENT

A100DGX is especially designed to reduce degassing phenomena related to support porosity , especially on allow casts and hot-dipping zinc plated supports .
It improves the performances of the previous generation additives and has a synergic action with Y51C polyesters .
Usually an addition of 0,8 - 1,2% w/w on finished powder is enough to substantially reduce the degassing , even on very critical supports .

Over this dosage levels is possible to have some gloss reduction and some surface greasiness .

TECHNICAL FEATURES

A100FLU FLUIDIZING AGENT

A100FLU is specific to improve fluidity of powder coatings .
In case of products having partially lost this property because of extended storage or severe conditions , the use of A100FLU allows to significantly improve applicability .
A100FLU also has a positive effect on chargeability of the products when triboelectric equipments are used .
Usually an addition of 0,1 - 0,2% w/w on finished powder is enough to restore correct application properties .
Roughly , this amount is corresponding to 2 - 4 small coffe cups per each complete box of powder coating .

Over this dosage levels is possible to have some gloss reduction and some reduction on surface flow .

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TECHNICAL FEATURES

A100HPN HIGH PENETRATION AGENT

A100HPN has a positive effect on electrostatic chargeability of the powder coatings and improves their penetration characteristics when used on " colona " spraying lines . It also has positive effects on fluidity of products having partially lost this property because of extended storage or severe conditions . Usually an addition of 0,1 - 0,2% w/w on finished powder is enough to restore correct application properties . Roughly , this amount is corresponding to 2 - 4 small coffe cups per each complete box of powder coating . **Over this dosage levels is possible to have some gloss reduction and some reduction on surface flow .**

RECOMMENDATIONS

These informations are given on the base of our best experience as well as the one of specialized laboratories and they are continuously updated , nevertheless the user has the complete responsibility to apply and to experiment the products according its own specific necessities . This document has the intention to describe and summarize the main properties of arsonsisi products , but in no case it can be considered as a warranty for them . Further informations about application of metallic effects , maintenance of goods coated with homologated polyesters or availability of special versions are mentioned in specific technical integrative notes .