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Positive list of optical glass

Update as of December 2008



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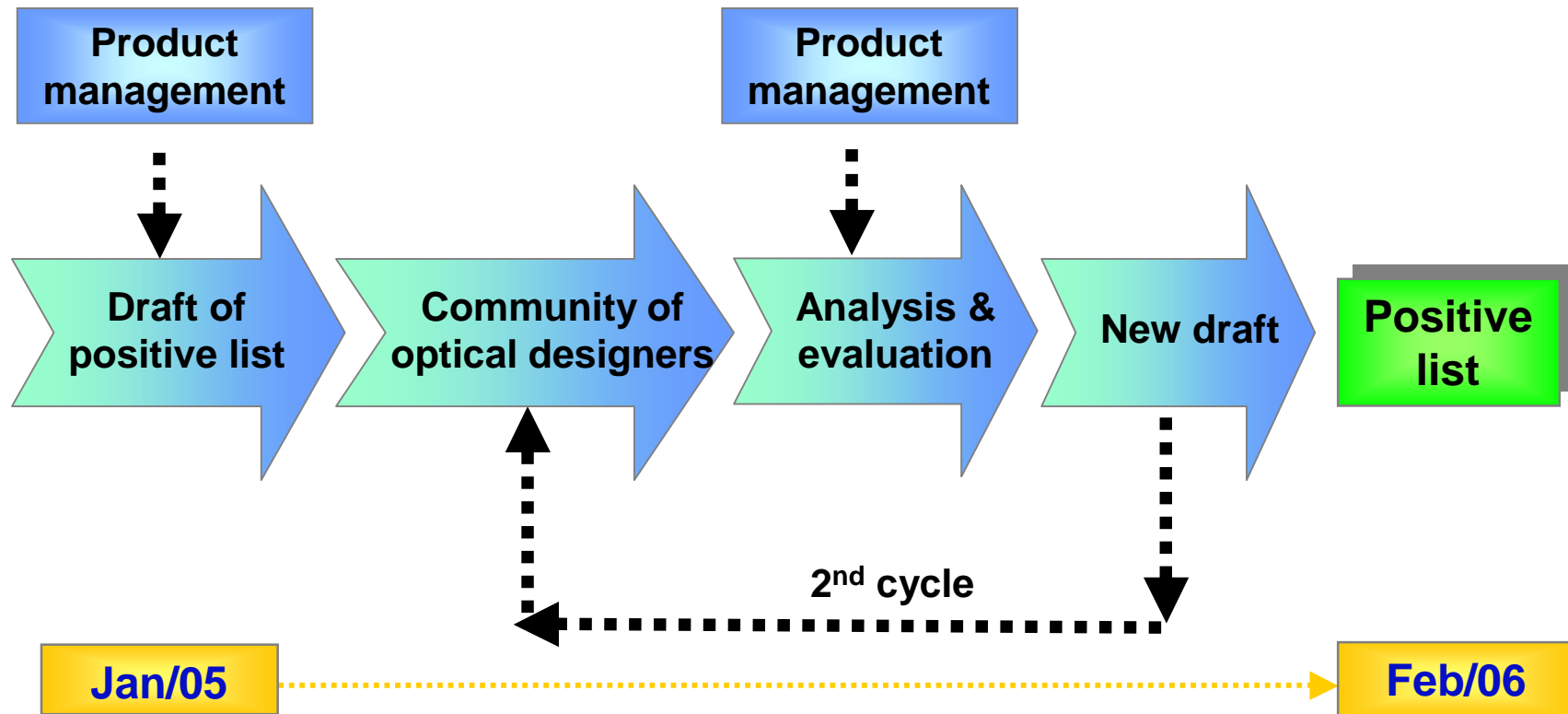
Starting an intense communication process

Preamble

- § SCHOTT AG is committed to serve both the industrial optics market in Europe/NAFTA and the Asian consumer market.
- § Both markets have their own requirements for which SCHOTT is supplying a large variety of optical glasses. Changing needs in both markets make it necessary to **start a communication process** of a pronounced exchange of information between the companies of industrial and consumer optics and SCHOTT.
- § The here presented and explained so called “positive list of optical glasses” is the result of this communication process with our customers started in January 2005 to ensure a reliable long term supply of our optical glasses.
- § This communication process is on going.

The process of creation of the positive list

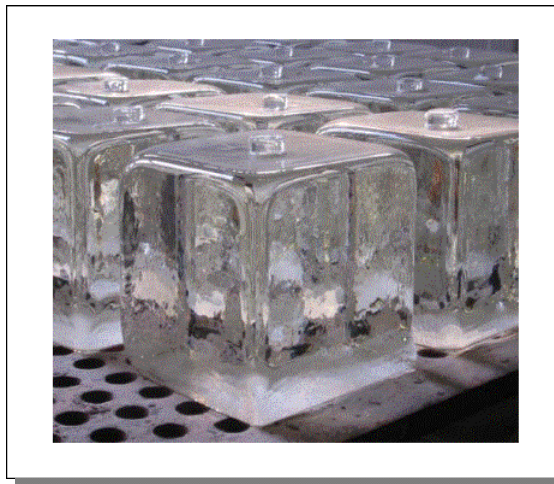
Overview



Definitions and rules – Commitment categories

Long-term glass types*

- § All glasses in this category are SCHOTT long-term committed optical glasses and are free of lead and arsenic.
- § The list of these glasses will be regularly reviewed and prolonged. Only under certain circumstances we might consider to change a glass into the category of “available upon special request”, but earliest after a period of at least **5 years**.

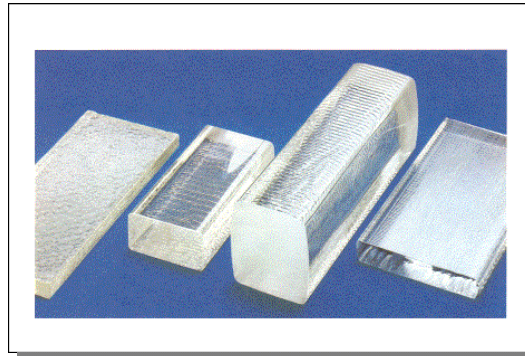


*We have also rated glass types with a low or miniscule melting frequency as long-term glasses if the optical design community rated them as indispensable. Therefore, melting frequency alone is not decisive whether a glass will be long-term committed.

Definitions and rules – Commitment categories

Long-term lead glass types

- § All glasses in this category are lead containing glasses, which from today's point of view cannot be replaced by an alternative.
- § SCHOTT is committed to these glass types **for at least 3 years** and will review them once a year. The commitment will then either be prolonged or the respective glass type will change into the category "available upon special request". The timeline has been restricted as the trend to disregard lead containing glasses for optical design is increasing.



Definitions and rules – Commitment categories

Glasses to run out and inquiry glasses

§ Glasses of the positive list will become glasses to run out for the following reasons:

- the community of optical designers have either rated these glasses as dispensable or we have developed improved alternatives – accepted by the optical designer community or
- the long term economical evaluation of the respective glass type makes it necessary to remove the respective glass type

§ After the run out time glasses to run out will become inquiry glasses

§ If long term committed glass types turn into glasses to run out, the run out time will be 5 years. If long term committed lead glass types turn into glasses to run out, the run out time will be 3 years.

Within in the run out time the glass type will be treated as preferred glass and will be produced without customer order. However, it is recommended not to use glasses to run out and inquiry glasses for new optical designs

Positive list – Status December 2008

Long term glass types: 79

N-FK5
N-FK51A
N-PK51
N-PK52A
N-PSK3
N-PSK53A
N-BK7
N-BK10
N-K5
N-ZK7
N-BAK1
N-BAK2
N-BAK4
N-SK2
N-SK4
N-SK5
N-SK11
N-SK14
N-SK16
N-KF9
N-BALF4
N-BALF5
N-SSK2
N-SSK5

N-SSK8
N-LAK7
N-LAK8
N-LAK9
N-LAK10
N-LAK12
N-LAK14
N-LAK21
N-LAK22
N-LAK33A
N-LAK34
N-BAF4
N-BAF10
N-BAF51
N-BAF52
N-F2
N-BASF2
N-BASF64
N-LAF2
N-LAF7
N-LAF21
N-LAF33
N-LAF34
N-LAF35

N-LAF36**
N-LASF9
N-LASF31A
N-LASF40
N-LASF41
N-LASF43
N-LASF44
N-LASF45
N-LASF46A
N-SF1
N-SF2
N-SF4
N-SF5
N-SF6*)
N-SF8
N-SF10
N-SF11
N-SF14
N-SF15
N-SF57*)
N-SF66
N-KZFS2
N-KZFS4
N-KZFS5

N-KZFS11
N-KZFS8

P-SF67
P-SK57
P-PK53**
P-LASF47
P-SF8

Long term lead glass types: 17

K7
K10
LLF1
LF5
F2*)
F5
LAFN7
SF1
SF2
SF4
SF5
SF6*)
SF10
SF56A
SF57*)
KZFS12**
KZFSN5*)**

*) Also available as HT-Version, **) Will become glass to run out as of 1st of Jan 2009 on. ***) has become glass to run out as of 1st of Jan 2008

Positive list – Status December 2008

Glasses to run out: 4

KZFSN5, will become inquiry glass as of Jan 2011

N-LAF36, will become inquiry glass as of Jan 2012

P-PK53, will become inquiry glass as of Jan 2012

KZFS12, will become inquiry glass as of Jan 2012

Updating the positive list - Overview

