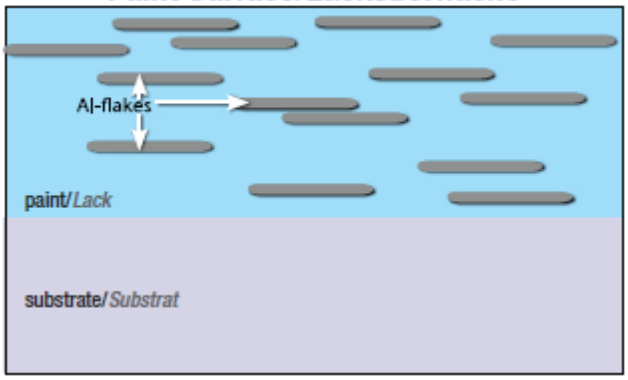
Non-Leafing Aluminium Pigments

Non-leafing aluminium pigments distribute themselves evenly throughout the paint film and thus reflect incident light at multiple locations. For this reason, these pigments are highly suitable for tinted paints such as colored metallic automotive paints or tinted hammer-effect enamels. Non-leafing pigments are also preferred for applications requiring excellent adhesion, such as primers.

Paint Surface/*Lackoberfläche*



Preferred applications

One-coat paints
Hammer-effect enamels
Primers
Marine coatings
Corrosion protection
Zinc rich coatings
Coil and can coatings
High heat resistance

BENDA-LUTZ®	**paste & powder**
DEPUVAL	**powder**
HYDROSTAB	**powder**
METALLIC	**paste & powder**
MAXAL	**paste & powder**
MAXAL PLUS	**paste**
~~AQUARAL~~	~~paste~~
STABIL SI	paste & powder
MAXAL SI	paste & powder
MAXAL EC	paste & powder

Aromatic Free, Non-Leafing Aluminium Pastes:

BENDA-LUTZ® Aluminium Pastes non-leafing
BENDA-LUTZ® Aluminiumpasten non-leafing

BENDA-LUTZ®		**6031**	**6041**	**6042**	**6051**	**6061**	**6061C**	**6242**
Metal Content *Metallanteil*	%	68	68	68	68	68	68	73
Solvent *Lösungsmittel*		**White Spirit aromatic free**[1] *Testbenzin aromatenfrei*						[2]
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max. %	2,5	0,3		0,5	0,5		
Residue on Sieve 500mesh *Rückstand auf Sieb 25µm*	max. %			0,5			0,5	0,5
Average Particle Size *Durchschnittliche Teilchengröße*	µm	25	19	13	17	13	12	14
Fields of Application *Anwendungsgebiete*								

[1] **Also available with following solvent (identification by suffix):**
Lieferbar auch mit folgendem Lösungsmittel (Kennzeichnung durch Zusatzbuchstaben):
TB/SN = White Spirit/Solvent Naphta / *Testbenzin/Solventnaphta*

standard packaging - drum 25kg
for 6242 min 100 kg order

[2] **Also available with following solvents (identification by suffix):**
Lieferbar auch mit folgenden Lösungsmitteln (Kennzeichnung durch Zusatzbuchstaben):

EA = Ethylacetate / *Ethylacetat*
IP = Isopropanol / *Isopropanol*
IPA = Isopropyl Acetate / *Isopropylacetat*
MP = Methoxy Propanol / *Methoxypropanol*

Solvent TB: 6031, 6041, 6042, 6051, 6061, 6061C
Solvent TB/SN: 6031, 6032, 6040, 6041, 6042, **6048**, 6051, 6058, 6060, 6061, 6061C, **6068**

Non-Leafing Aluminium Pastes:

BENDA-LUTZ®		6032 TB/SN	6040 TB/SN	6058 TB/SN	6060 TB/SN
Metal Content *Metallanteil*	%	65	65	65	55
Solvent *Lösungsmittel*		TB/SN White Spirit/Solvent Naphtha *Testbenzin/Solventnaphtha*			
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max. %	1	1	1	1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	23	20	18	15
Fields of Application *Anwendungsgebiete*					

Preferred applications **Aerosols , Can Coating, Coil Coating, Decorative Paints, Hammer Finishes, Corrosion Protection, Heat Resistant Paints, Marine Coatings**

BENDA-LUTZ®		6232	6280
Metal Content *Metallanteil*	%	80	80
Solvent *Lösungsmittel*		PAO-A Paraffin Oil/ *Paraffinöl*	
Average Particle Size *Durchschnittliche Teilchengröße*	µm	23	6
Fields of Application *Anwendungsgebiete*			

PAO-A = Paraffin Oil for contact with food
Paraffinöl für Lebensmittelkontakt

Minimum 100 kg order

Standard packaging – drum 25 kg

BENDA-LUTZ® Aluminium Powders non-leafing

BENDA-LUTZ® Aluminiumpulver non-leafing

BENDA-LUTZ®		7825	7865	7080
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%	1	0,1	0,2
Average Particle Size *Durchschnittliche Teilchengröße*	µm	19	9	6
Bulk Density *Schüttdichte*	kg/l	0,3	0,2	0,2
Fields of Application *Anwendungsgebiete*				

Standard packaging – drum 25 kg

BENDA-LUTZ® DEPUVAL Aluminium Powder non-leafing, non-dusting

BENDA-LUTZ® DEPUVAL Aluminiumpulver non-leafing, nicht staubend

BENDA-LUTZ®		8080
Residue on Sieve 325mesh [1] *Rückstand auf Sieb 45µm*	max.%	0,2
Average Particle Size[1] *Durchschnittliche Teilchengröße*	µm	10
Bulk Density *Schüttdichte*	kg/l	0,4
Fields of Application *Anwendungsgebiete*	[1] **Analysis before dedusting** *Analysenwerte bestimmt vor der Entstaubung*	

Standard packaging – drum 50 kg

BENDA-LUTZ® HYDROSTAB Aluminium Powders non-leafing, polymer coated

BENDA-LUTZ® HYDROSTAB Aluminiumpulver non-leafing, polymerbeschichtet

BENDA-LUTZ®		7624	7656
Residue on Sieve 140mesh *Rückstand auf Sieb 100µm*	max.%	0,1	
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%		1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	37	15
Fields of application *Anwendungsgebiete*			

Standard packaging – drum 25 kg

Benda-Lutz® METALLIC: Non-Leafing Aluminium Pastes

BENDA-LUTZ® METALLIC series for coatings gives a delicate combination of sparkle, brilliance and opacity. These non-leafing aluminium pastes provide unlimited styling potential for a wide variety of applications.

Preferred applications

Vehicle paints
Plastics paints
High quality topcoats
Aerosols
Can coatings
Coil coatings

BENDA-LUTZ® METALLIC Aluminium Pastes non-leafing

BENDA-LUTZ® METALLIC Aluminiumpasten non-leafing

BENDA-LUTZ®		6814	6824	6826	6845
Metal Content *Metallanteil*	%	75	65	65	65
Solvent *Lösungsmittel*		White Spirit aromatic free / *Testbenzin aromatenfrei*			
Residue on Sieve 140mesh *Rückstand auf Sieb 100µm*	max.%				
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%	1	1	1	1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	37	33	32	23
Fields of application *Anwendungsgebiete*					

Available with metal content 73% and with following solvents (identification by suffix):
Lieferbar mit Metallanteil 73% und mit folgenden Lösungsmitteln (Kennzeichnung durch Zusatzbuchstaben):

EA = Ethyl Acetate / *Ethylacetat*
IP = Isopropanol / *Isopropanol*
IPA = Isopropanol Acetate / *Isopropanolacetat*
MP = Methoxy Propanol / *Methoxypropanol*

Available with metal content 80% and with following solvents (identification by suffix):
Lieferbar mit Metallanteil 80% und mit folgenden Lösungsmitteln (Kennzeichnung durch Zusatzbuchstaben):

PAO-A = Paraffin Oil for contact with food / *Paraffinöl für Lebensmittelkontakt*
DOA = Dioctyladipate / *Dioctyladipat*

only 6814 and 6824 – EA, IP, IPA, MP, PAO-A, DOA. For PAO-A, DOA min 100 kg order. Standard packaging – 25 kg

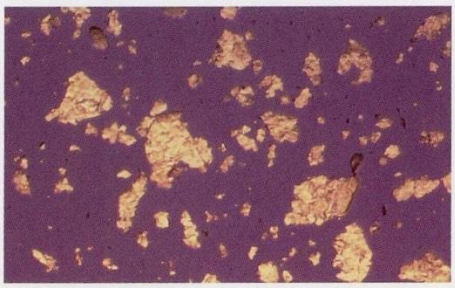
BENDA-LUTZ® METALLIC Aluminium Powders non-leafing

BENDA-LUTZ® METALLIC Aluminiumpulver non-leafing

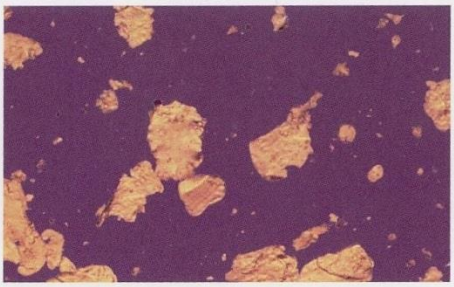
BENDA-LUTZ®		7814	7824
Residue on Sieve 140mesh *Rückstand auf Sieb 100µm*	max.%	0,1	0,1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	40	33
Fields of application *Anwendungsgebiete*			

Benda-Lutz® MAXAL: Non-Leafing Aluminium Pastes

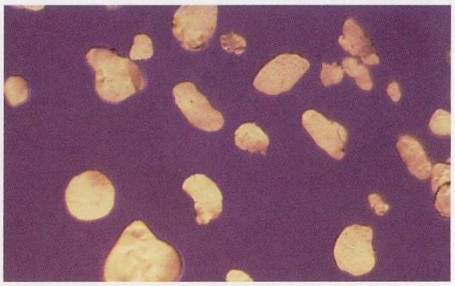
Automotive stylists will be interested in the exceptional brilliance and travel of MAXAL. These non-leafing, lenticular grades are produced via sophisticated milling processes yielding narrow particle size distributions and polished flake surfaces.



Cornflake / *Kornflake*



Metallic / *Metallic*



Silver dollar / *Silberdollar*

BENDA-LUTZ® MAXAL Aluminium Pastes non-leafing

BENDA-LUTZ® MAXAL Aluminiumpasten non-leafing

BENDA-LUTZ®		**64009**	**64012**	**64014**	**64024**	**64044**
Metal Content *Metallanteil*	%	68[1)]	68[1)]	68	68[1)]	68[1)]
Solvent *Lösungsmittel*		**White Spirit aromatic free** *Testbenzin aromatenfrei*				
Residue on Sieve 140mesh *Rückstand auf Sieb 100µm*	max.%	4	0,5			
Residue on Sieve 230mesh *Rückstand auf Sieb 63µm*	max.%		0,5			
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%			0,5	0,5	
Residue on Sieve 500mesh *Rückstand auf Sieb 25µm*	max.%					0,5
Average Particle Size *Durchschnittliche Teilchengröße*	µm	80	57	36	32	22
Fields of application *Anwendungsgebiete*						

All MAXAL Standard packaging – drum 25 kg

For plastics: 64009, 64012, 64014, 64024,64044 available with metal 80%
and with **PAO-A =** Paraffin Oil for contact with food but minimum 100 kg order.
Grade **64012** also available with plasticizer **DOA -** dioctyladipate but minimum 100 kg order.

MAXAL Aluminium Powder non-leafing - MAXAL 74044 Standard packaging – drum 25 kg

BENDA-LUTZ® MAXAL Aluminium Pastes non-leafing

BENDA-LUTZ® MAXAL Aluminiumpasten non-leafing

BENDA-LUTZ®		64013 TB/SN	64015 TB/SN	64025 TB/SN	64027 TB/SN	64035 TB/SN	64045 TB/SN
Metal Content *Metallanteil*	%	68	68	68	68	68	68
Solvent *Lösungsmittel*		White Spirit/Solvent Naphta *Testbenzin/Solventnaphtha*					
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%		1	1	1	1	1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	52	39	40	29	25	22
Fields of application *Anwendungsgebiete*							

BENDA-LUTZ®		64046 TB/SN	64047 TB/SN	64054 TB/SN	64055 TB/SN	64057 TB/SN	64058 TB/SN	64064 TB/SN	64065 TB/SN
Metal Content *Metallanteil*	%	68	68	68	68	68	68	68	68
Solvent *Lösungsmittel*		White Spirit/Solvent Naphtha *Testbenzin/Solventnaphtha*							
Residue on Sieve 325mesh *Rückstand auf Sieb 45µm*	max.%	1	1	1	1	1	1	1	1
Average Particle Size *Durchschnittliche Teilchengröße*	µm	21	22	17	17	20	17	15	14
Fields of application *Anwendungsgebiete*			1)	1)				2)	

Grade **64064** also available with metal content 65% and following solvents : EA , IPA

Benda-Lutz® MAXAL PLUS: Finest Silver Dollar Aluminium Pastes

MAXAL PLUS is a premium line of lenticular flakes manufactured with the highest level of refinement. The improved flake geometry allows for extremely bright, whitish effects with relatively small particle sizes. These pigments are characterized by outstanding optical properties combined with easy processing and excellent shear stability.

Preferred applications

OEM
Automotive refinish
Vehicle paints
Car interior paints
Wheel rim paints
Electronic components

Benda-Lutz® MAXAL PLUS		64056/71	64066/70
Average Particle Size *Durchschnittliche Teilchengröße*	µm	16	13
Metal Content *Metallanteil*	%	71	70
Solvent *Lösungsmittel*		White Spirit/Solvent Naphtha *Testbenzin/Solventnaphtha*	
Residue on 325 mesh sieve *Rückstand auf Sieb 45µm*	max %	0,1	0,1