



# Product Training

Additives / Reducers

A brand of

 **BASF**

We create chemistry



## Additives / Reducers

Hardener (Slow – Extra Fast) 50-

Hardeners are used for topcoat 30-, clearcoat 40- and primer filler 20-.

baslac hardeners to be mixed with baslac 30- line topcoats and baslac 40- clears

50-20	2K Hardener Normal
50-15	2K Hardener Fast
50-30	2K Hardener Slow





# Additives

Baslac hardeners to be mixed with baslac fillers and undercoat materials

50-10	2K Hardener Extra Fast
50-15	2K Hardener Fast

## Note:

Seal cans with leftover materials carefully as hardeners are very sensitive to humidity. See the technical data sheets for the undercoat materials.



# Additives

## Temperature matrix

The material combination (hardener and reducer) may be changed depending on temperature and object size. The recommendations made in the following table refer to repair systems. For panel repair, select the material combination indicated for the next lower temperature range



# Additives Temperature matrix

	baslac 30- Topcoat		baslac 40- Clearcoats	
	2:1 + 10%		2:1 + 10 – 30%	
<b>Spray viscosity DIN 4/ 20°C</b>	20 – 22 s		16 – 20 s	
<b>More than 30°C</b>	Hardener slow Reducer, slow Reducer, extra slow	50-30 60-30 60-40	Hardener, slow Reducer, slow Reducer, extra slow	50-30 60-30 60-40
<b>More than 25°C</b>	Hardener, normal Reducer, slow	50-20 60-30	Hardener, slow Reducer, slow	50-30 60-30
<b>More than 20°C</b>	Hardener, normal Reducer, normal Reducer, fast	50-20 60-20 60-10	Hardener, normal Reducer, normal Reducer, fast	50-20 60-20 60-10
<b>More than 10°C</b>	Hardener, fast Reducer, normal Reducer, fast	50-15 60-20 60-10	Hardener, fast Reducer, normal Reducer, fast	50-15 60-20 60-10

# Additives



## 80-10 Additive Flex

80-10 is a plasticizing additive used in refinishing systems for plastics. Add 80-10 to primer filler, topcoat and clear before adding hardener and thinner. Used for 20- primer fillers /surfacers, 30- Line 2K topcoat, 40- clears.



# Additives



## 80-10 Additive Flex

	Mixing ratio	<u>Undercoat materials</u>	<u>Topcoat / clear</u>
		100% by vol. 20- 25% by vol. 80-10	100% by vol. 30- / 40- 25% by vol. 80-10
		100% by vol. 20-:80-10 25% by vol. 50-10, 50-15 25% by vol. 60-10, 60-20	100% by vol. 30- /40-:80-10 50% by vol. 50-20 10% by vol. 60-10, 60-20
	Spray viscosity DIN 4 at 20°C	16 – 18 s	30- 17 – 18 s 40- 20 – 22 s
	Potlife	1 – 2 h / 20°C	4 h / 20°C
	Spray gun	1.6 – 1.9 mm	1.3 – 1.4 mm
	Number of spraycoats Film thickness	2 approx. 50 µm	2 50 – 60 µm

# Additives



## 80-10 Additive Flex

3. Drying			
	Drying at 20°C at 60°C	4 h 40 min.	16 h 45 min.
	Infrared: (short wave) (medium wave)	8 min. 10 – 15 min.	8 min. 10 – 15 min.



# Additives





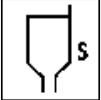


## 80-20 Additive mat

80-20 is a matting agent for 30- topcoat and 40-clears which is easy to mix. Uses on plastics without addition of 80-10 additive flex. Prepare only the quantity that will be used the same working day because the gloss level may change when the mixture is stored.



# Additive 80-20





        	<p><b>Step 1</b> <b>Mixing ratio</b></p>	<p><b><u>30- Topcoat by weight</u></b> <u>semi- gloss</u> 100% by vol. 30- 25% by vol. 80-20 <u>satin gloss</u> 100% by vol. 30- 35% by vol. 80-20 <u>silky mat</u> 100% by vol. 30- 45% by vol. 80-20</p>	<p><b><u>40- clears by weight</u></b> <u>semi- gloss</u> 100% by vol. 40- 25% by vol. 80-20 <u>satin gloss</u> 100% by vol. 40- 50% by vol. 80-20 <u>silky mat</u> 100% by vol. 40- 70% by vol. 80-20</p>	
	<p><b>Step 2</b> <b>Mixing ratio</b> <b>2 : 1:+10%</b></p>	<p>100% by vol. 30-, 40- 50% by vol. 50-20 / 50-30 10% by vol. 60-10; -20; -30</p>		
	<p><b>Potlife</b></p>	<p>2 – 3 h / 20°C</p>		
	<p><b>Spray viscosity</b> <b>DIN 4 at 20°C</b></p>	<p>20 – 22 s</p>	<p>17 – 18 s</p>	
	<p><b>Spray gun</b></p>	<p>1.3 – 1.4 mm</p>	<p>1.3 – 1.4 mm</p>	
<p><b>Number of spraycoats</b> <b>Film thickness</b></p>	<p>2 approx. 50 – 70 µm</p>	<p>2 approx. 50 – 70 µm</p>		

# Additive 80-20



## Drying

	<b>Drying at 20°C at 60°C</b>	<b><u>50-20</u></b> 8 h 30 min.	<b><u>50-20</u></b> 8 h 30 min.
	<b>Infrared: (short wave) (medium wave)</b>	8 min. 10 – 15 min.	8 min. 10 – 15 min.



## 65-10- Blending Reducer




Blend-in reducer for baslac clears 40- and baslac topcoats 30- and 35- to melt in overspray / overlap areas or to melt in clear coat / topcoat fade-out areas in blend-in repairs.




# 65-10- Blending Reducer



## Application

	<b>Spray viscosity</b> DIN 4 at 20°C	ready for use
	<b>High pressure spray gun</b>	1.3 – 1.4 mm
	<b>Number of spraycoats</b> <b>Film thickness</b>	2 – 3 (clear coat / topcoat fade-out areas)

## Drying

	<b>Drying</b>	as recommended for the baslac clear used.
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# 70-10 Silicone Remover

## 70-20 Cleaner Plastic



### Properties

Seal cans with left-over material carefully  
See technical data sheet information Chart 2



### Application

Bare steel, aluminium, old paintwork and new panels (factory primed)

70-10                      Silicone Remover

Plastics and GRP / SMC

20.                      Cleaner Plastic

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