

# 2K Polyester Filler



**The convenient solution**

# 2K Polyester Filler

## Scope of Application

SprayMax 2K Polyester Filler is a peroxide activated filler in an aerosol can for a very fast repair of rough surface structures. (e.g. Hail- Dents, rough metal structures, deep sanding marks, orange peel structures, pin holes; others )

SprayMax 2K Polyester Filler is ready for use; a perfect combination of long shelf life and potlife with advantages in potlife, paint volume and can size, convenient working process with perfect surface results.

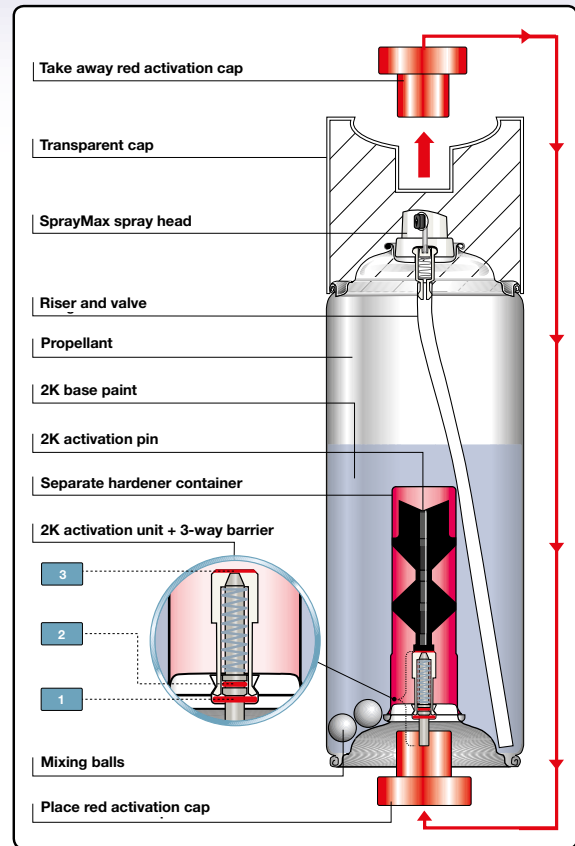
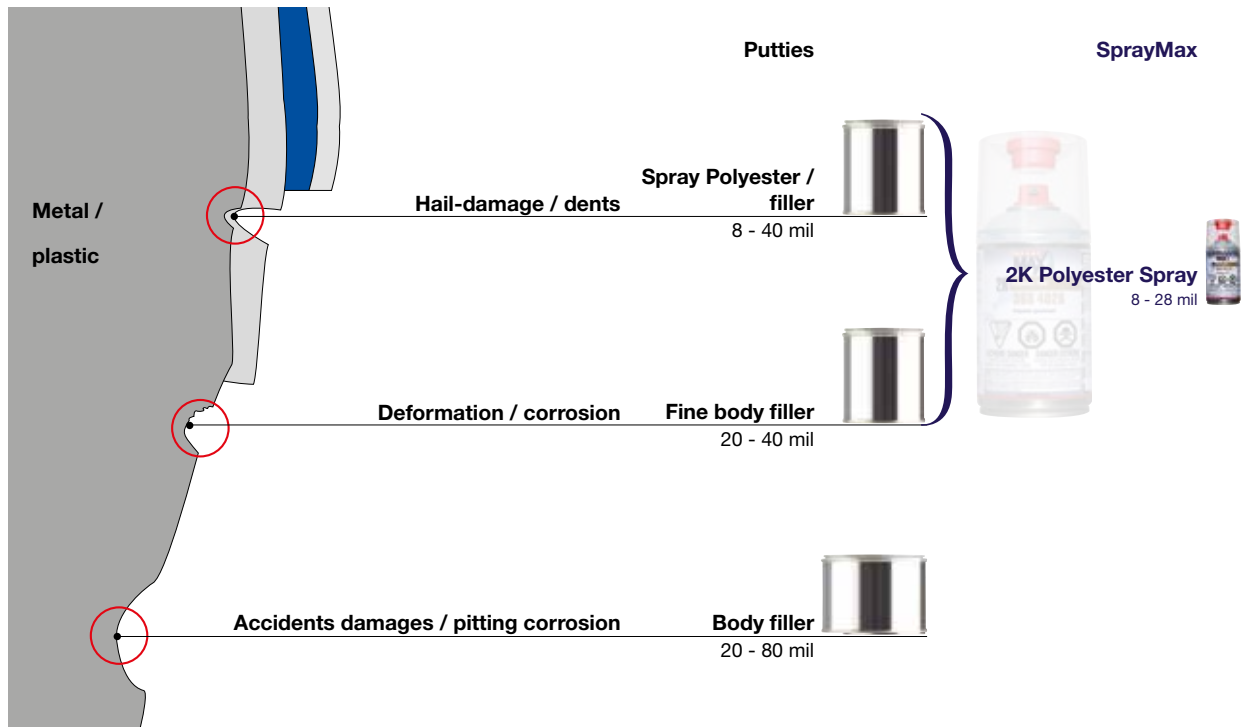
## Fields of application

- Automotive, Refinish
- Train, rail
- Marine
- Trailers; recreational vehicles
- Fiberglass building elements
- Plastic cabinets
- Blades of wind energy power station

## Substrates (properly treated)

- Steel
- Zinc coated steel
- Aluminum
- Old paints, sanded
- Putties, Bodyfiller
- Glass Fibre reinforced plastics

## Damage areas and roughness

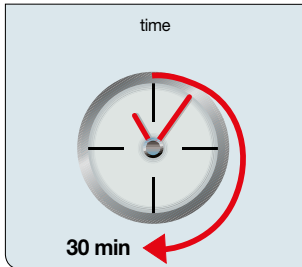


SprayMax 2K aerosol can

# Comparison of Parameters

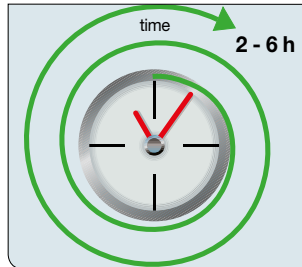
## Potlife / Application time

2K Polyester Filler



Limited potlife

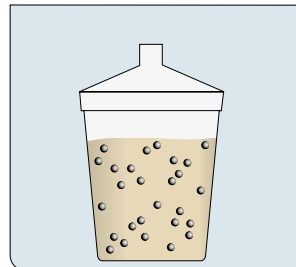
**SPRAY MAX** 2K Polyester Filler



Extended potlife

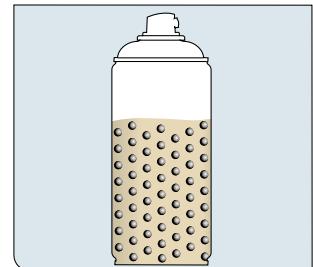
## Homogenization PE / Peroxide

2K Polyester Filler



Inhomogeneous

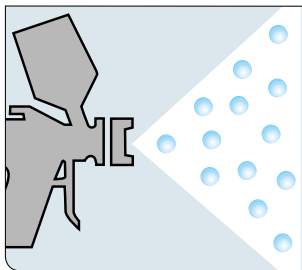
**SPRAY MAX** 2K Polyester Filler



Homogeneous

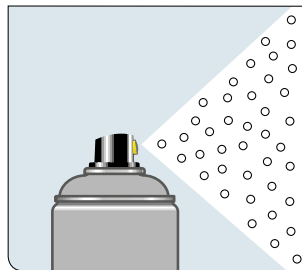
## Application

2K Polyester Filler



Air / Oxygen

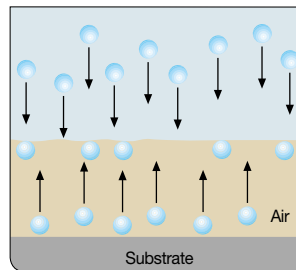
**SPRAY MAX** 2K Polyester Filler



Propellant inert / no Oxygen

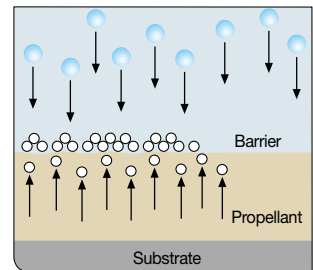
## Drying

2K Polyester Filler



Exchange of air / oxygen

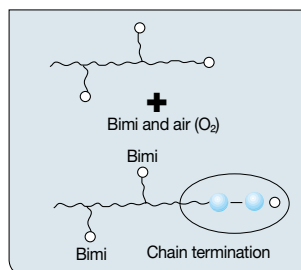
**SPRAY MAX** 2K Polyester Filler



Inert atmosphere, penetration of oxygen is limited

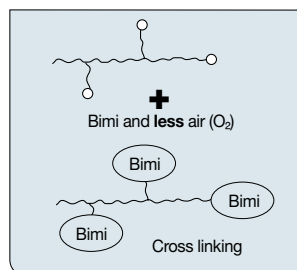
## Reactivity / Crosslinking

2K Polyester Filler



Polymerization is stopped by oxygen  
Bimi = resin

**SPRAY MAX** 2K Polyester Filler



High crosslinking, high density

# 2K Polyester Filler

## Comparison of Key Parameters

Parameters	2K Polyester Filler Spray Gun Application	SprayMax
Potlife	10 - 30 min	2 - 6 h
Film Thickness	8 - 40 mil	4 - 28 mil
Drying time (room temperature)	2 h	1 - 2 h
Drying time (IR)	30 - 35 min	20 - 40 min
Sanding	after 3 h	after 2 h
Shelf life	12 month	24 month

## Advantages SprayMax

Shelflife	> 2 years, not activated
Potlife	4 to 10 times longer than the wet paint
Peroxide	exact ratio; perfect homogenization in the Polyester resin
Reactivity	fast and high; no air, no oxygen
Crosslinking	high density, no air
Skin contact	avoided, no mixing process
Process	no failure, no preparation time and no waste

## Application advices

- Only dry sanding; coating is moisture sensitive
- Before top coating, isolate with 1K or 2K Filler
- Sand through areas must be protected with a suitable SprayMax Epoxy Primer eg. 3680032

 **BAM** Federal Institute for Materials Research and Testing (Germany)

Certification AZ 2-1776/2014 after UN 1950 for pressure packeging

### Results:

All tested samples (activated and not activated ) by 50°C temperature have shown no significant pressure increase and fulfill the requirements for transportation for dangerous goods

The tested samples show no measurable Temperature increase after activation and no dangerous reaction.

# Technical Data

## FIELDS OF APPLICATION

### Recommended for:

Parts and spot-repair

### Material / chemistry:

Polyester / peroxide catalyzed

### Substrates:

Bare sheet steel, cleaned and sanded, primed nonferrous metals, Aluminium, galvanized plating, cleaned and sanded old paintwork, GRP and on surface with Polyester Filler, Do not use on thermoplastic paint, 1K Primer and Washprimer. Aluminium and galvanized substrates must be isolated with a suitable Epoxy Primer eg. 3680032

<b>Pre-Treatment</b>		Remove rust if necessary. Sand surface - clean & degrease. Only apply on dustfree and dry substrates.
<b>2K Activation</b>		Before activating, shake aerosol for 2 minutes vigorously. Take red button from cap. Turn aerosol by 180° and attach button to pin on aerosol bottom. Place aerosol on firm ground - upside down. Press red button with the ball of your hand until stop is reached. Shake for 2 minutes after activation.
<b>Preperation</b>		Spray to test.
<b>Spray passes</b>		2-5 spray passes = 4-28 mil (100-700 µm) dry film thickness. Intermediate flash off time: 5 min Coverage (theor.): Approx. 2,7 sq.ft. / aerosol at approx. 8 mil dry film thickness.
<b>Spraying distance</b>		10 inch.
<b>Drying (20°C)</b>		Spray applications: 1 - 2 Dry film thickness: approx. 10 mil dust free: 15 min Drying stage 1 to DIN 53150 To be sanded after: 2 - 4 h (depending on film thickness).
<b>Drying (20°C)</b>		Flash off time 5 - 10 min. 100 % Power: 20 - 40 min, depending on film thickness.
<b>Sanding steps</b>		First dry sanding with P120 - P180 Final dry sanding before application of the filler: dry, P240 - P280 PE-Materials are moisture sensitive. Do only dry sand.
<b>Potlife</b>		approx. 2 hours at 20°C / 68°F The potlife depends on the ambient temperature. Higher temperatures give a shorter and lower temperatures give a longer pot life.

## KEY DATA

For further details please refer to the Technical Data Sheet or the Material Safety Data Sheet

### 2K Polyester Filler

Art.No.: 3684026, 250 ml

light grey



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