

# MIX FILL 100

**FREE SOLVENT EPOXY FILLER FILM THICKNESSES  
INFERIOR AT 10 mm  
VERY EASY SANDABILITY**

EPOXY FILLER  
Two component

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## FEATURES

Epoxy filler **MIXFILL 100** is an epoxy system filler with very high mechanical performances and **à forts pourcentages d'allongements à la rupture** (8 to 15%).

The filler **MIXFILL 100** is an light epoxy filler wich can be formulated under vaccum with high technology components. (approx. 0,6/0,7) and obtains:

- Excellents application properties
- Easy to apply with spatula
- Excellent sandability
- Low loading of abrasive
- Thin film
- No polution of surface
- **Pas de retrait au séchage**
- Economic
- Excellent temperature and chimic resistance
- Good flexibility
- Good work time for all applications conditions (3 hardener – standard – fast –tropical)
- Low **éxothermie** with high thickness
- Excellent resistance abrasion
- Same component ratio in weigth or by volume

## RECOMMENDED USES

Epoxy filler **MIXFILL 100** has been developed for refit yachts hulls, masters, and osmosis treatment.

Epoxy filler **MIXFILL 100** accept to be applied under and above the water line

Epoxy filler **MIXFILL 100** can be applied directly without sanding (if dry time to recoat is respected) on systems :

- EPOXY PRIMER EP 211
- AEROPRIM EP 140
- UNDERCOAT EP 213/215 HB

Epoxy filler **MIXFILL 100** accept to be recoated by :

- SPRAYABLE FILLER 500 or 700
- UNDERCOAT EP 213 HB – EP 215 HB
- Directly after sanding, by himself and all MIXFILL systems

The filler **MIXFILL 100** can be applies after sanding on :

- On composite epoxy, polyester, vynilester
- On wood and plywood

## SPECIFICATION DATA

**COATING TYPE:** Finish epoxy filler

**COLOR :** Grey

**GLOSS :** Matt

**COMPONENT :** Two component

**COMPONENT RATIO :**

- Weight : 100 Base / 50 Hardener
- volume : 2 Base / 1 Hardener

**INDUCTION TIME** (500 g at 30°C) :

With winter hardener: 15 minutes approx.  
With standard hardener: 20 minutes approx.  
With tropical hardener: 30 minutes approx.

**POT LIFE :** 1 hour approx.

With winter hardener at 15°C  
With standard hardener at 20°C  
With tropical hardener at 30°C  
(for 500 ml of mixture)

**DENSITY AT 20°C :** < 0,7

**VOLUME SOLIDS :** 100 %

**VOC :** solvent free

**THEORETICAL SPREADING RATE:**

1 liter / Sq.m

**RECOMMENDED FILM THICKNESS PER COAT :**

Less than 10 mm

**WORK TIME :**

(at 50 to 60 % HR for 3 mm) : approximately 2 hours  
With winter hardener at 15°C  
With standard hardener at 20°C (90 minutes at 25°C)  
With tropical hardener at 30°C

**DRY TIME :**

(at 50 to 60 % HR for 3 mm) :  
sanding : 24 hours with winter hardener at 15°C  
sanding : 20 hours with standard hardener at 20°C  
sanding : 16 hours with standard hardener at 25°C  
sanding : 15 hours with tropical hardener at 30°C

## SURFACE PREPARATION

All surface to be coated must be free of grease, dust, dry spray, moisture.

**MIXFILL 100 can be recoated by itself and all solvent free fillers** after sanding and rust removal. And on epoxy composites, polyester, vynilester, wood and CP

Solvent free filler must be sanding and rust removal imperatively before all application.

**MIXFILL 100** is compatible with fillers MIXFILL 10, 30, or 300, and systems EP 211, EP 140, EP 213/215 HB, EPOXYGUARD 455, EP 200, epoxy filler MIX FILL 30, 300, intercoats Sprayable Filler 500/700, EPU 221, PU 228, polystyrene foam, PVC, polyurethanes

For all others type of recoated, and for aluminium, zinc, galvanized preparation surfaces, or all surfaces already paint, contact our technical department.

## MIXING AND THINNING

Mix slowly by volume or weight, 2 parts of base with 1 part of hardener to obtain a smooth and homogeneous mixture

The color of the mixture must be uniform, without dominant color in one of the two parts in the mixture.

No thinning.

Clear thinner : Mek, Acétone, Alcool, Thinner EP N°3 & EP N° 17  
Free solvent epoxy primer should be sanded and free of dust before application.

## APPLICATIONS

APPLICATIONS METHOD		THINNING	TIP SIZES	PRESSURE
SPATULA	YES	NA	-	-
REGLE	YES	NA	-	-
SPRAY GUN	NO	NA	-	-
AIRLESS SPRAY	NO	NA	-	-

### CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 50 to 70 % HR

Limit : 12 to 35°C for 30 to 80 % HR

The substrate temperature must be at least 3°C above the dew point to avoid any condensation - consult the conversion table available at Map Yachting.

**VISCOSITY : THICK FILLER**

## PRECAUTIONS AND SHELF LIFE

See the material safety data sheet and product label for complete safety and precaution requirements

**PACKAGING :** KIT of 1,2 or 6 Liters (KIT 30 L on order)

**CLASSE ONU :** Base : 3082 Hardener : 2735

**SHELF LIFE :** 9 months in original unopened cans at + 5 and + 35 °C away from humidity - 12 months in tropical climate

**FLASH POINT :** 26°C

**LABEL :** Base = Xi : Irritant N : Dangerous for the environment Hardener = Xn : Harmful



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