

# POLYMAP 217

Low outgassing thread-brake

Technical data sheet: RE 217  
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## Coating characteristics

Polymer matrix	Low outgassing two component elastomer polyurethane
Pigment	Dessicated silica
Density	Base: $0.97 \pm 0.05$ Hardener: $1.07 \pm 0.05$
Solids content	100 %
V.O.C.	< 1 g / L
Outgassing	in compliance with ESA standard : ECSS-Q-70-02A
Temperature range	- 100 °C ↔ + 100 °C
Surface preparation	Please contact us
Base/hardener volume ratio	1 / 1
Applying conditions	$18 \text{ °C} \leq T \leq 25 \text{ °C}$ $30 \% < RH < 80 \%$
Drying conditions	Curing for 1 night @ 50 °C

## Definition

Low outgassing thread-brake delivered in two component syringe.

Aspect: slightly opalescent light yellow (base) & transparent yellow (hardener)

AFNOR NFT 36005 classification: Family I Class 6a.

Purpose: thread-brake for space industry & vacuum technologies.

CESR qualification report (Centre d'Etudes Spatiales des Rayonnements, CNRS Laboratory qualified by CNES).

## Application parameters

The thread-brake is delivered in a two component syringe of 30ml. Mix 1 volume for 1 volume in the mixer. Put the applicator on the syringe. Remove the obturator from the syringe and fix the mixer. By pressing on the piston head of the applicator, pour few drops of Polymap 217 on the thread. Screw on.

Remove and throw away the mixer, lock up the syringe carefully in order to use it later on. Remove the applicator from the syringe.

## Packaging

Two component syringe of 30 ml (15 ml base + 15 ml hardener)

## Storage

Up to 4 months at  $15 \text{ °C} \pm 10 \text{ °C}$  in original unopened packaging, away from humidity, with dehydrating salts.

## Safety data

Precautions ➤ General precautions in use for the application of polyurethane products.

Labelling ➤ This preparation was classified in compliance with the directives in effect.

Transport ➤ Please refer to our latest safety datasheet.

*Non-contractual technical data: for your information only.  
For further information, please contact us.*