

# METAGRAF C

## Release agent



### Chemical basis:

Preparation on the basis of a graphite suspension

### Characteristics:

Appearance: black liquid  
Concentration: approx. 26 %  
pH: approx. 9.5 - 10.5

### Shelf-life / Packaging:

12 months under proper storage conditions  
Drums of 30 kg

### Application:

METAGRAF C is excellently suitable for preventing hard metal particles from sticking to the carrier during sintering. The formation of an equal, dense layer prevents carbonization of the sintered parts.

Owing to its rheological properties, METAGRAF C can be spread by brush or similar. It can also be applied instantaneously by spraying with corresponding equipment. METAGRAF C can be mixed with  $ZrO_2$  and  $Al_2O_3$  suspensions in nearly every proportion and applied onto the carrier as a combined coating. To obtain a satisfactory thick layer, one application is in general sufficient. If required, METAGRAF C can also be applied several times without damaging the dried layer.

Since METAGRAF C is a fast drying agent even at ambient temperature, the sintering carrier is immediately ready-to-use. METAGRAF C does not contain any volatile solvents and can, therefore, be dried without taking any particular safety measures.

METAGRAF C contains graphite particles, which are regularly spread in water, and which are protected against agglomeration and sedimentation by stabilizing additions. However, it shall be stirred well before use.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.