



RODITOR & PHILADELPHIA

DISCHI E PASTE PER IL TRATTAMENTO DELLE SUPERFICI
BUFFS AND COMPOUNDS FOR SURFACE TREATMENT

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 • ISO 14001
ISO 45001

RPH®



MICRONIZED COMPOUND NON-ALTERABLE WITH DIAMOND

The modern world is such because it is built and powered by increasingly sophisticated technology, where machines are required to have maximum speed and precision in performing (preferably automatically) any job.

Indeed, together with cost containment, those are the essential qualities for any construction project to be considered destined for success.

Production needs therefore increasingly require surfaces with a specific, uniform and often mirror-like roughness; whether they are soft surfaces or especially hard surfaces.

A similar result has always been obtained with repeated finishing operations and finally manual lapping, which require a significant use of time and materials:

- Ultimately a waste of money -

Technology today offers operators appropriate calibrated products, such as diamond abrasive pastes, which allow them to quickly and easily achieve the optimal surface finish for a given use.

Well, the MICROVAL micronized abrasive compounds with diamond have been specifically designed to respond simultaneously to:

- speed of execution;
- quality of results;
- cost-effectiveness of operation;

MICROVAL diamond abrasive compounds are therefore constructed using only carefully selected materials among the best on the market. That is, binders with high adhesive power and abrasives with the best grain size uniformity and maximum removal power.

MICROVAL TYPES

In order to satisfy all possible market needs, MICROVAL micronized diamond compounds are produced in three different abrasive classes

red - green - blue

and mainly in ten different standard grains:

1	micron	-	FEPA	1.500
3	micron	-	FEPA	1.200
5	micron	-	FEPA	1.000
7	micron	-	FEPA	800
9	micron	-	FEPA	600
15	micron	-	FEPA	400/500
25	micron	-	FEPA	360
30	micron	-	FEPA	320
45	micron	-	FEPA	240
60	micron	-	FEPA	180

at the following diamond concentrations:

- STANDARD CONCENTRATION P = 97 carats
- SPECIAL CONCENTRATION N = 64 carats
R = 129 carats

CHARACTERISTICS

Micronized compounds MICROVAL with diamond are produced with 3 different abrasives classes.

red class: where the uniformity of the grain of the monocrystalline abrasive is slightly less than in the green type; but on the other hand the product is considerably more economical and quicker for working medium-hardness steels.

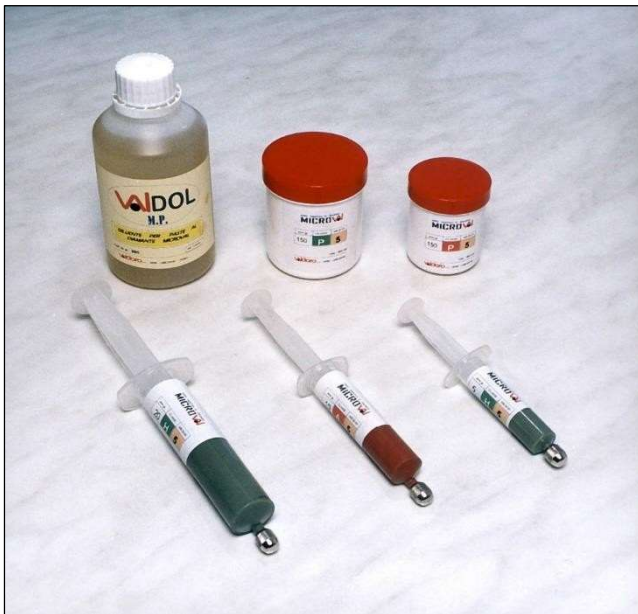
green class: where only very regular grained monocrystalline diamond powder is used, for extremely accurate work.

blue class: where only selected polycrystalline diamond powder is used to finish the surfaces of extremely hard and tough materials.

Our diamond micronized compounds MICROVAL are highly appreciated thanks to:

1. **High thermal stability**
2. **Excellent chemical neutrality**
3. **Absence of volatile solvents**
4. **Total inalterability over time**

Depending on the work requirements, MICROVAL diamond compounds can be diluted using a fluid mineral oil or with the specific **VALDOL MP** diluent-lubricating compound, which has the peculiar property of lowering the viscosity of the product without altering in any way the characteristic agglomerating potential of the compound. Dilution with the **VALDOL MP** compound also allows, as a secondary effect, to obtain a lower overheating of the metal during work.



PACKAGES

MICROVAL diamond micronized compound are packed in syringes **5 g - 10 g - 20 g** to have an optimal dosage of the product in the so-called minimum jobs. Or in jars of 50 g - 100 g - 150 g. for the most demanding operations, here the use of diamond compounds is a daily practice. These packages also allow the compound to be aspirated into a syringe, after appropriate fluidification, if the user deems it necessary.

By operating in this way, a significant economic saving can be achieved, compared to the same quantity of product purchased in the syringe package.

FLUIDIFICATION

Fluidification or lowering of viscosity, is necessary when the compound must be sucked into a syringe or applied in narrow places, where the standard product has difficulty in infiltrating.

In these cases, one of the two following procedures can be used without any difficulty:

TEMPORARY

it is sufficient to heat the jar (exclusively in a bain-marie) to a temperature of about 40 - 45 °C. Mix in the meantime until the compound has become fluid and uniform and can be applied on site with a spatula or other system.

Once the operation is completed, leave to cool, mixing for a while longer until the product in the jar has returned to its original viscosity: ready for other uses.

DEFINITIVE

in this case, a real fluidification is carried out by means of a lubricating oil or, even better, by means of the appropriate **VALDOL MP** diluent.

You can operate as in the previous case with a heating action (on the entire contents of the jar or on a part of it) and then add the fluidifying medium.

Or, more simply, by mixing the products cold. This latter technique, however, is only advisable for very small quantities of compound.

LABELLING

The label of MICROVAL compound is designed to allow a quick and safe choice of the product you intend to use. In addition to the grain and weight of the package, it bears printed, in the center, the identifying color of the type (class) of diamond powder used to create the paste and its concentration. The latter is reported in letters of the alphabet, so that it is not confused with the weight numbers (in small on the right) and the grain (in bold on the left).

- SEE THE COVER -

standard concentration

N	-	P	-	R
64		carati 97		129

The information contained in this sheet represents the best of our current knowledge on the subject, without however providing guarantees on their validity. The user is therefore responsible for further investigation, by means of this information.

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