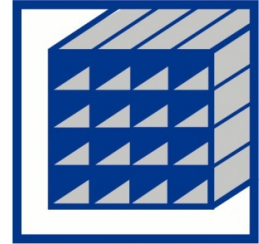


Dispersants for organic solvent based tape casting



DOLACOL D

The use of oxidised fish oils as a deflocculant in the production of ceramic tapes with organic solvents is widespread, however these products have a disadvantage. As with many products of natural origin, their use can lead to large discrepancies between batches, and therefore to differences in quality.

The **synthetic dispersants** produced by Zschimmer & Schwarz are produced within a **narrow tolerance range**. As a result they are superior to fish oils in many cases.

A much **lower slip viscosity** is attained by using the Zschimmer & Schwarz products than by using the same amount of fish oils. As a result of this, changing to the dispersants from Zschimmer & Schwarz makes a **significantly lower solvent concentration** possible.



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**Dispersants for
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PRODUCT	Properties		Application									
	Active matter [%]	Chemical basis	Addition quantity [%]	Ethanol	MEK	Toluol	Tri	Water	Al ₂ O ₃	ZrO ₂	BaTiO ₃	SiC
DOLACOL D 1001	100	Alkylphosphate	0,5 - 2,0	●	●	●	●	●	✓ ✓	✓ ✓	✓ ✓	✓
DOLACOL D 1003	~ 40	Polymer with ester groups	1,5 - 3,0	●	●	-	-	-	✓ ✓	✓ ✓	✓	✓

- ✓ can be used as alternative
- ✓ especially suitable
- usable
- not usable